

"THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1978 DIGITAL EQUIPMENT CORPORATION."

"THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION.
1978
COPYRIGHT © DIGITAL EQUIPMENT CORPORATION"

TRACK POSITION DETECTOR/PLO
TRACK POSITION DETECTOR/PLO
TRACK POSITION DETECTOR/PLO
OPERATORS CONTROL PANEL
OPERATORS CONTROL PANEL
OPERATORS CONTROL PANEL
SERVO PREAMP
SERVO PREAMP
SERVO PREAMP
PHOTO TRANSDUCER PREAMPLIFIER
RK07 READ/WRITE
RK07 READ/WRITE
RK07 READ/WRITE
H767 POWER SUPPLY
H767 POWER SUPPLY
H767 POWER SUPPLY
POWER SUPPLY CAP BOARD
RK06 CABLING BOARD
RK06 CABLING BOARD
RK06 TRANSITION BOARD
RK06 TRANSITION BOARD
AWT REVISION STATUS
WIRE LIST (SINGLE PORT)
CIRCUIT SCHEMATIC RK06 BACK PANEL
CIRCUIT SCHEMATIC SPINDLE BRAKE ASSEY
DUAL PORT LOGIC
DUAL PORT LOGIC
DUAL PORT LOGIC
DUAL PORT LOGIC
DUAL PORT LOGIC
AWT REVISION STATUS
WIRE LIST (DUAL PORT)

D-UA-M7908-0-5 (SHT 1 ONLY)
D-CS-M7908-0-1
B-PL-M7908-0-0
D-AH-5411823-0-5 (SHT 1 ONLY)
D-CS-5411823-0-1
A-PL-5411823-0-0
D-AH-5411687-0-5 (SHT 1 ONLY)
D-CS-5411687-0-1
B-PL-5411687-0-0
D-CS-5411881-0-1
D-UA-5411060-YA (SHT 1 ONLY)
D-CS-5411060-YA -
B-PL-5411060-YA -
D-AH-5411042-0-5 (SHT 1 ONLY)
D-CS-5411042-0-1
A-PL-5411042-0-0
D-CS-5411040-0-1
D-AH-M9016-0-5 (SHT 1 ONLY)
D-CS-M9016-0-1
D-AH-5411893-0-5 (SHT 1 ONLY)
D-CS-5411893-0-1
A-WT-7012474-0
K-WL-7012474-0-DBW (COMPLETE)
D-CS-5411864-0-1
D-CS-7012940-0-1
D-UA-M7730-0-0 (SHT 1 ONLY)
D-CS-M7730-0-1
D-BD-M7730-0-2
D-TD-M7730-0-3
B-PL-M7730-0-0
A-WT-7012474-1
K-WL-7012474-1-DBW (COMPLETE)

TITLE RK07 DISK DRIVE

SHEET 2 OF 2

SIZECODE
B TC
NUMBER
RK07-0-1

REV
B

"THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION.
COPYRIGHT © 1977 DIGITAL EQUIPMENT CORPORATION"

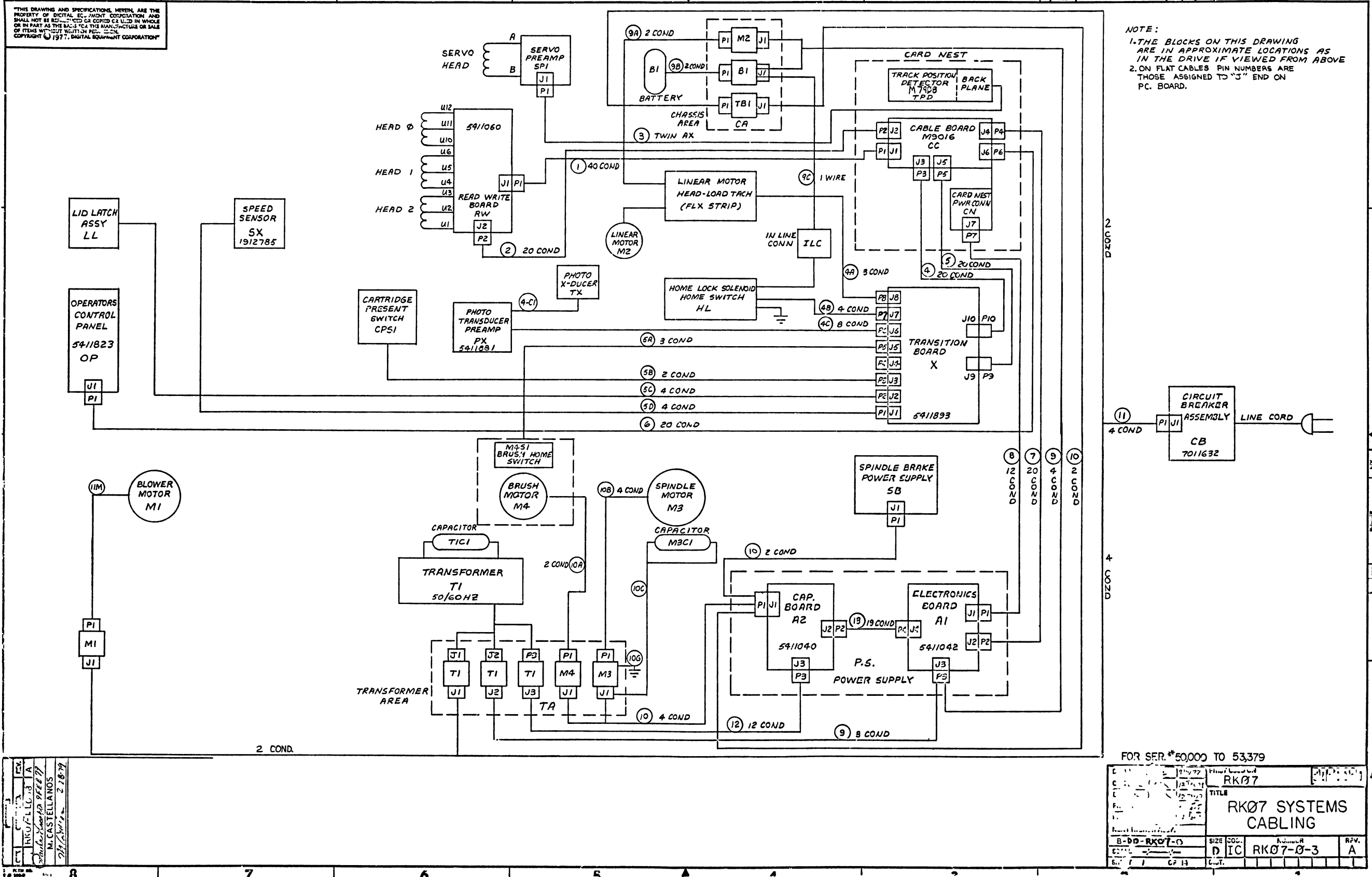
NOTES:

1. * TWO M7706 BOARDS ONLY USED WITH DUAL ACCESS OPTION, OTHERWISE ONLY ONE IS USED AS FOLLOWS:
IN SLOT 2 WHEN B ACCESS SELECTED.
IN SLOT 3 WHEN A ACCESS SELECTED.
2. * DUAL PORT LOGIC BOARD USED WITH DUAL ACCESS OPTION.

M7908	TRK ERR ☒ GAIN										TRK ERR ☒ ZERO										M7908				
M7906	RUN ☒ MAINT SW2		OFFSET ADJ ☒										VEL ADJ ☒										MAINT ☐ RUN SW1		M7906
M7907	CLY ADDR		2 ⁹	2 ⁸	2 ⁷	2 ⁶	2 ⁵	2 ⁴	2 ³	2 ²	2 ¹	2 ⁰	OFFSET HDS		RTZ	LD	HDS	FWD	REV	M7907					
M7705	☐ UNLD HDS		☐ BRUSHES										SPEED ADJ ☒		☐ SPEED OK								M7705		
M7730*	☐ A PORT		☐ B SEL		☐ A PORT		☐ B REQ		INV ☐ NORM												M7730				
																		PORT B ADDR SW				M7730			
M7706*																			☐ DR. SEL. A		M7706				
M7706*																			☐ DR. SEL. B		M7706				
M9016																			M9016						

		DESCRIPTION		DWG / PART NO		ITEM NO			
		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES							
QUANTITY & VARIATION		ANGLES ±0° 30'	CLASS OF ACCURACY	NOMINAL DIMENSION RANGE INCHES					
		SURFACE QUALITY	(CHECK ONE)	OVER 0.1	OVER 0.5	OVER 1.2	OVER 4.0	OVER 12.0	
MICROINCHES		IN ✓	MEDIAN ☐	0.2	0.75	1.5	4.0	12.0	
			PREFERRED ☐	0.004	0.008	0.012	0.016	0.024	0.04
				0.012	0.016	0.025	0.04	0.063	0.1
THIRD ANGLE PROJECTION				FIRST USED ON		RK07			
REMOVE BURRS AND BREAK SHARP CORNERS		DRN. <i>1/8" x .77</i> CHK'D <i>1/2" x 76</i> ENG. <i>1/2" x 76</i> PROJ. ENG. <i>1/2" x 76</i> PROD. <i>1/2" x 76</i>		TITLE		digital			
DO NOT SCALE DWG		NEXT HIGHER ASSY.		MODULE, UTILIZATION					
MATERIAL		8- DD- RK07-0		SIZE		NUMBER		REV	
FINISH		SCALE		CODE		D. MURK07-0-4			
		SHEET		OF 1		DIST.			

THIS DRAWING AND SPECIFICATIONS HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED IN WHOLE OR IN PART AS THE SAME MAY BE MANUFACTURED OR SALE OF ITEMS WITHOUT WRITING FROM DIGITAL EQUIPMENT CORPORATION. COPYRIGHT © 1977, DIGITAL EQUIPMENT CORPORATION



FOR SER. #50,000 TO 53,379	
RK07	
TITLE	
RK07 SYSTEMS CABLING	
B-B-RK07-0	SIZE
D IC	REV.
RK07-0-3	A

THIS DRAWING AND SPECIFICATIONS HEREIN ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION OF DIGITAL EQUIPMENT CORPORATION

SIGNAL NAME	CABLE CARD (CC) SLOT-1 BACK-PLANE PIN	CABLE NUMBER	R/W-BOARD (RW) CABLE CONN-PIN	REMARKS
GND-C	J1/P1-A	40 COND R/W (GREY)	P1/J1-UU	FOR R/W BOARD CONN LAYOUT SEE SHEET 5 FIG 1
GND-C	J1/P1-B		P1/J1-VV	
CYL-ADD 7 H	DN2 J1/P1-C		P1/J1-TT	
CYL-ADD 6 H	DP2 J1/P1-D		P1/J1-SS	
	J1/P1-E		P1/J1-RR	
CYL-ADD 8 H	DR1 J1/P1-F		P1/J1-PP	
+5B	DA2 J1/P1-H		P1/J1-NN	
+5B	DA2 J1/P1-J		P1/J1-MM	
+25B	DE2 J1/P1-K		P1/J1-LL	
+25B	DE2 J1/P1-L		P1/J1-KK	
GND-C	J1/P1-M		P1/J1-JJ	
	J1/P1-N		P1/J1-HH	
GND-C	J1/P1-P		P1/J1-FF	
WR DATA L	DS2 J1/P1-R		P1/J1-EE	
GND-C	J1/P1-S		P1/J1-DD	
WR GATE L	C12 J1/P1-T		P1/J1-CC	
ALIGN SIGN+	DM1 J1/P1-U		P1/J1-BB	
ALIGN SIGN-	DN1 J1/P1-V		P1/J1-AA	
SET CLK FAULT	DM2 J1/P1-W		P1/J1-Z	
SET HD FAULT L	DV1 J1/P1-X		P1/J1-Y	
SET MULT HD L	DL2 J1/P1-Y		P1/J1-W	
	J1/P1-Z		P1/J1-V	
GND-B	J1/P1-AA		P1/J1-U	
-15V	DB2 J1/P1-BB		P1/J1-T	
SET NO TRANS L	DK2 J1/P1-CC		P1/J1-S	
SET NO TRANS L	DK2 J1/P1-DD		P1/J1-R	
UNS TST	DJ2 J1/P1-EE		P1/J1-P	
	J1/P1-FF		P1/J1-N	
GND-B	J1/P1-HH		P1/J1-M	
+15V	DD2 J1/P1-JJ		P1/J1-L	
+25A	DE2 J1/P1-KK		P1/J1-K	
+25A	DE2 J1/P1-LL		P1/J1-J	
+5A	DA2 J1/P1-MM		P1/J1-H	
+5A	DA2 J1/P1-NN		P1/J1-F	
	J1/P1-PP		P1/J1-E	
HD0 L	DE1 J1/P1-RR		P1/J1-D	
HD1 L	DH2 J1/P1-SS		P1/J1-C	
HD2 L	DF2 J1/P1-TT		P1/J1-B	
GND A	J1/P1-UU		P1/J1-A	
GND A	J1/P1-VV			

SIGNAL NAME	CABLE CARD (CC) SLOT-1 BACK-PLANE PIN	CABLE NUMBER	R/W-BOARD (RW) CABLE CONN-PIN	REMARKS
+15	DD2 J2/P2-A	20 COND R/W (GREY)	P2/J2-X	FOR R/W BOARD CONN LAYOUT SEE SHEET 5 FIG 1
+15	DD2 J2/P2-B		P2/J2-W	
GND D	J2/P2-C		P2/J2-V	
GND D	J2/P2-D		P2/J2-U	
-5	DR2 J2/P2-E		P2/J2-T	
-5	DR2 J2/P2-F		P2/J2-S	
GND	J2/P2-H		P2/J2-R	
GND	J2/P2-J		P2/J2-P	
+5C	DA2 J2/P2-K		P2/J2-N	
+5C	DA2 J2/P2-L		P2/J2-M	
GND-D	J2/P2-M		P2/J2-L	
GND-D	J2/P2-N		P2/J2-K	
WR-GATE-L	CV1 J2/P2-P		P2/J2-J	
GND-D	J2/P2-R		P2/J2-H	
RD DATA 2 L	CU2 J2/P2-S		P2/J2-F	
GND D	J2/P2-T		P2/J2-E	
RD DATA 1 L	CU1 J2/P2-U		P2/J2-D	
GND D	J2/P2-V		P2/J2-C	
GND D	J2/P2-W		P2/J2-B	
GND D	J2/P2-X		P2/J2-A	

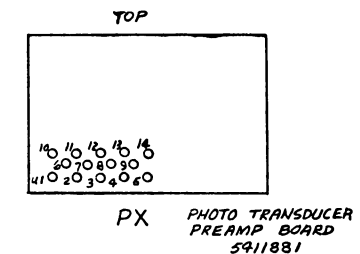
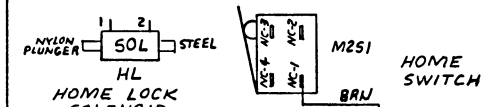
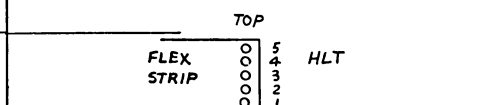
REVISIONS	
CHK	REV

SIGNAL NAME	SERVO PREAMP (SPA) PIN	WIRE COLOR	CABLE NUMBER	M7708 BACK PLANE PIN TPD	REMARKS
+15V	SPI-J1/P1-2	ORN	3 TWIN AX SERVO PREAMP	SLOT 8 CD2	DRAIN
GND	SPI-J1/P1-3	BLK		SLOT 8 CC2	
SVO PRE B	SPI-J1/P1-6	BLU		SLOT 8 DP2	
SVO PRE COM	SPI-J1/P1-7	WHT		SLOT 8 DMT	
SVO PRE A	SPI-J1/P1-8	CLEAR		SLOT 8 DJ2	

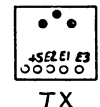
PIN-1
THIS SIDE UP
PIN-9

SERVO PREAMP PI

SIGNAL NAME	CABLE CARD (CC) SLOT-1 BACK-PLANE PIN	CABLE NUMBER	TRANSITION BOARD (X) CONN	WIRE COLOR	CABLE NUMBER	TERMINAL	REMARKS
HD LD #2 (BUCKING)	CR2	J3/P3-A	P10/J10-X	YEL	4-A 3 COND HEAD LOAD TACH	HLT-5	HLT
HD LD COMMON	CS2	J3/P3-B	P10/J10-W	GRY		HLT-4	
HD LD #1 (TACH)	CP2	J3/P3-C	P10/J10-V	GRN		HLT-3	
GND		J3/P3-D	P10/J10-U	-			
HOME L	CM2	J3/P3-E	P10/J10-T	ORN	4-B 4 COND HOME SW HOME LOCK	HLM2S1-4	HOME SWITCH
+25V	CE2	J3/P3-F	P10/J10-S	VIC		HLSOL-1	
HOME LOCK RELEASE L	CM2	J3/P3-H	P10/J10-R	YEL		HLSOL-2	
GND		J3/P3-J	P10/J10-P	BLK		HLM2S1-3	
LIM PA	CL2	J3/P3-K	POSITIONER P10/J10-N	VIO	4-C 8 COND PHOTO TRANSDUCER	PXU12	PX PHOTO TRANSDUCER PREAMP BOARD 5411881
GND		J3/P3-L	P10/J10-M	-		PXU9	
+COS PA	CK2	J3/P3-M	P10/J10-L	GRN		PXU14	
GND		J3/P3-N	P10/J10-K	-			
-SIN PA	CJ2	J3/P3-P	P10/J10-J	YEL			
GND		J3/P3-R	P10/J10-I	-			
		J3/P3-S	P10/J10-F	-			
		J3/P3-T	P10/J10-E	-			
+15V	CD2	J3/P3-U	P10/J10-D	ORN		PXU4	
LED CATHODE	CH1	J3/P3-V	P10/J10-C	WHT		PXU6	
-15V	CB2	J3/P3-W	P10/J10-B	BLU		PXU8	
GLASS XDR COM (GND)	CF1	J3/P3-X	P10/J10-A	BLK		PXU1	
+5V	CA2	J3/P3-X	P10/J10-A	RED		PXU2	



SIGNAL NAME	PHOTO TRANSDUCER PREAMP (PX) PIN	WIRE COLOR	CABLE NUMBER	TRANSDUCER ASSEMBLY (TX) PIN	REMARKS
SIN X (E1)	PX-U5	YEL	4-C1 6 WIRES (PART OF PHOTO TRANS ASSY)	TX-E1	TX
-COS-X (E2)	PX-U13	GRN		TX-E2	
LIM-X (E3)	PX-U3	VIO		TX-E3	
PHOTO DIODE CATH (H5V)	PX-U11	BRN		TX-+5	
LED ANODE (+5V)	PX-U7	RED		TX-AN	
LED CATHODE	PX-U10	WHT		TX-CA	



REG FORM NO. 1
MAY 1962

A

PIN 14

A2 P3
THIS
SIDE
UP

PIN 1

POWER SUPPLY
CAP BOARD

PIN SIDE

RIB DENOTES PIN 1

TAT I P3

NOTE:

1. TWO RED WIRES CONNECT TRANSFORMER T1 AND TRANSFORM CAPACITOR TIC1
2. WIRING SAME 50HZ OR 60HZ TRANSFORMER

PIN 22

Ⓢ

POWER SUPPLY
CAP
BOARD

A2 P2
THIS
SIDE
UP

PIN 1

PIN 22

Ⓢ

POWER SUPPLY
ELECTRONICS
BOARD

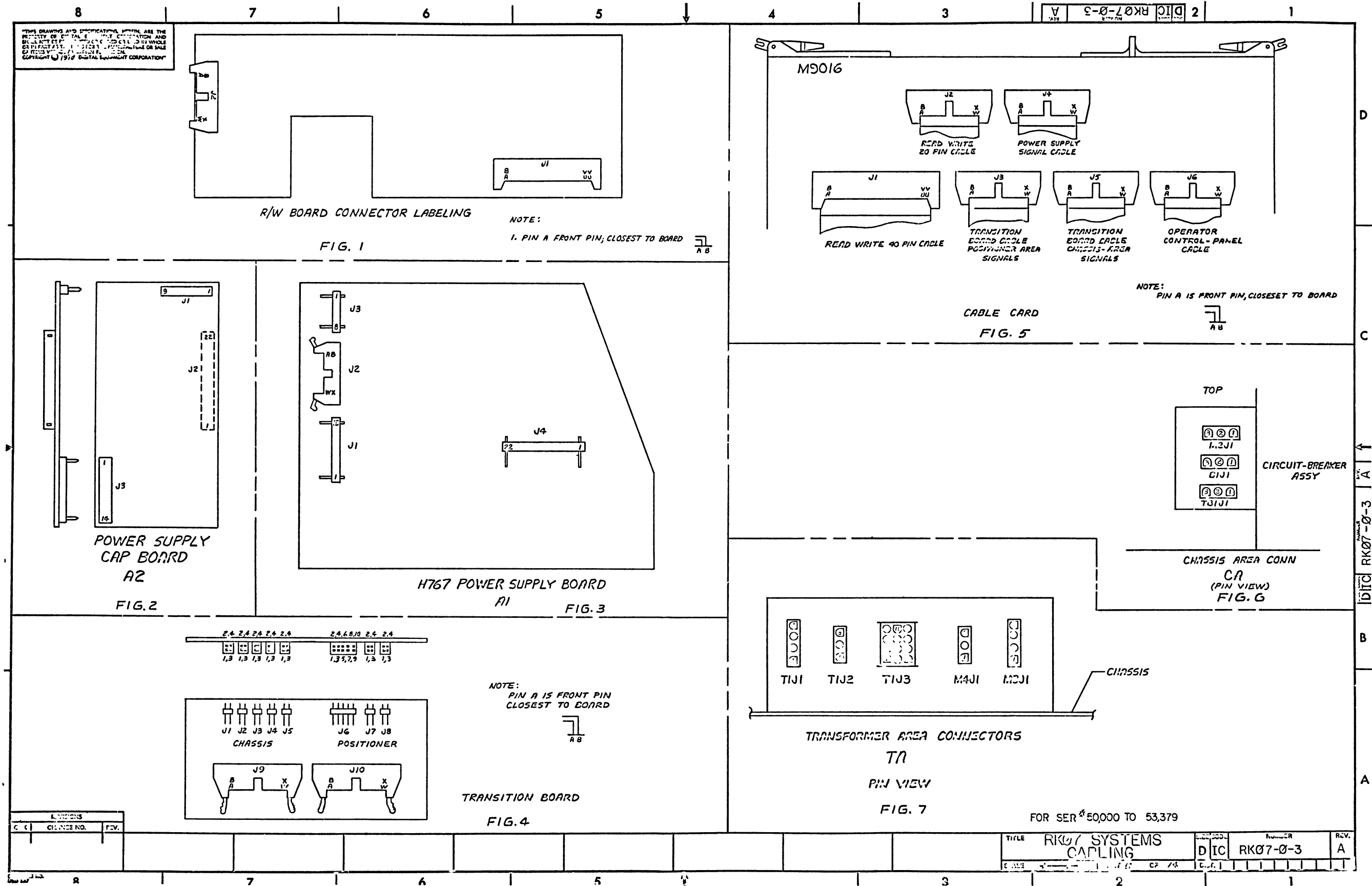
A1 P4
THIS
SIDE
UP

PIN 1

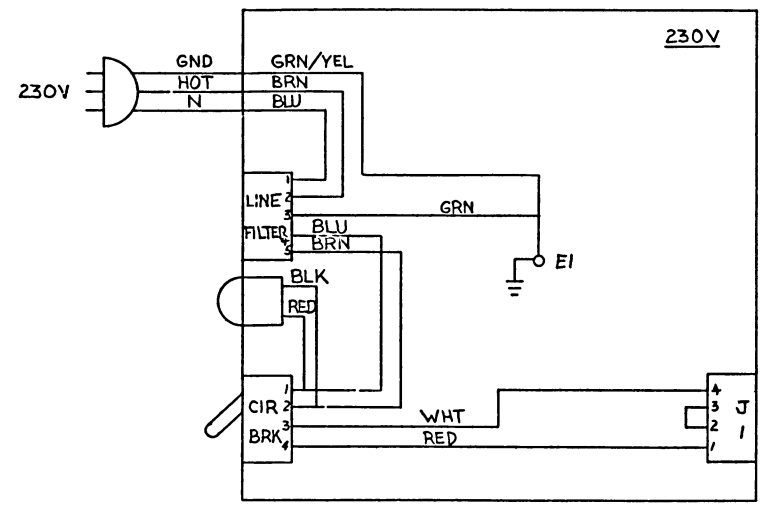
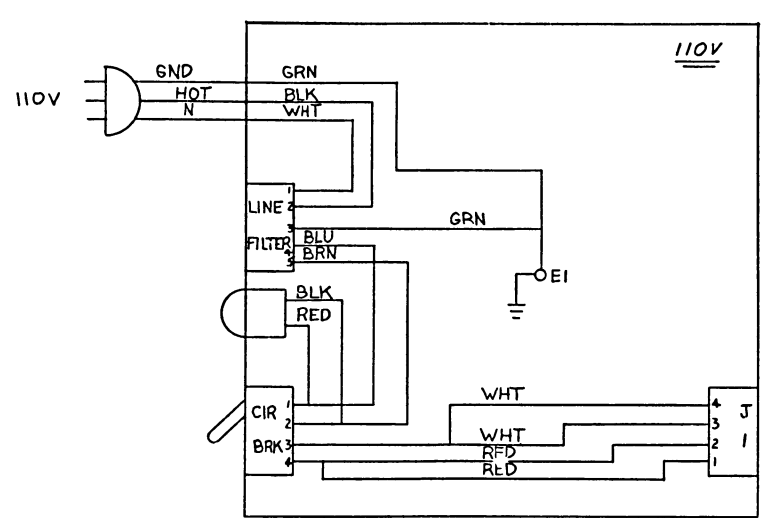
NOTE:
PINS 5, 14, AND 15 UNUSED.

FOR SER. ~~5~~ 50,000 TO 53,379

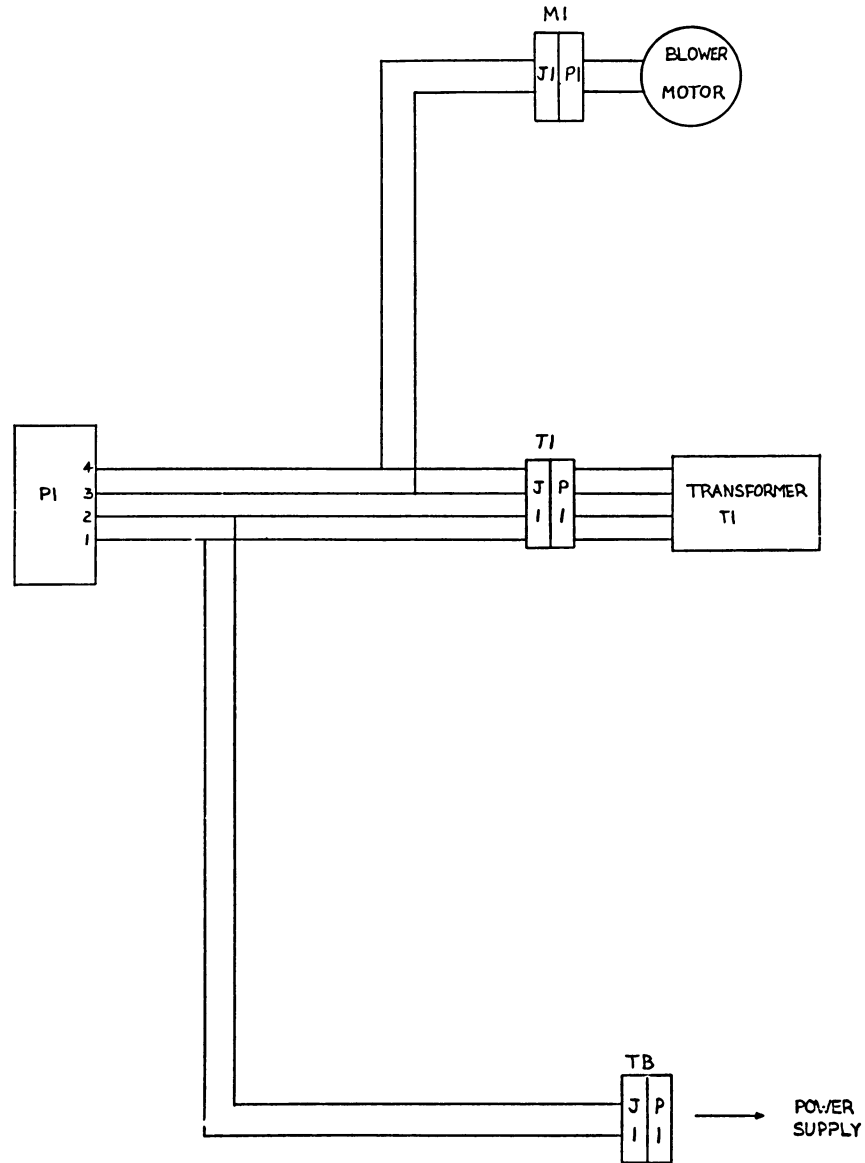
TITLE RK07 SYSTEMS		SIZE CODE	NUMBER	REV.
CABLING		DIC	RK07 -0-3	A
SCALE 1/16	SHEET 4 OF 14	DIST.		



THIS DRAWING AND SPECIFICATIONS HEREIN ARE THE PROPERTY OF BUSH BROS. CORPORATION AND SHALL NOT BE REPRODUCED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION OF BUSH BROS. CORPORATION



CIRCUIT BREAKER ASSY



POWER SUPPLY

REVISIONS		
CH.	CHANGE NO.	REV.

DEC 1958

8

7

6

5

4

3

2

1

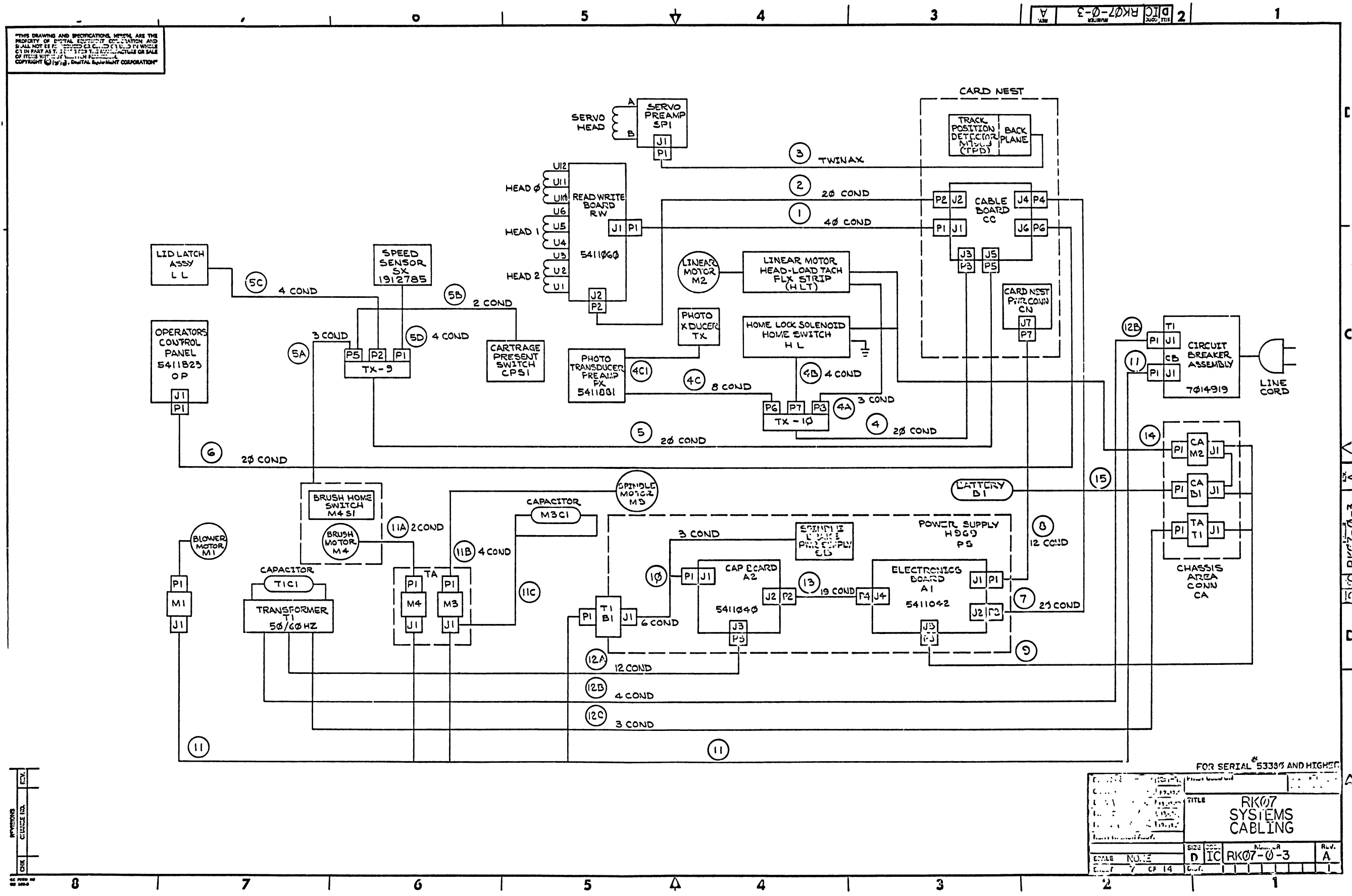
FOR 50,000 TO 53,379

TITLE R107 SYSTEMS
CAPLING

DIC R107-0-3

A

THIS DRAWING AND SPECIFICATIONS HEREIN ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT PERMISSION IN WRITING FROM DIGITAL EQUIPMENT CORPORATION.



FOR SERIAL 5330 AND HIGHER			
TITLE RK07 SYSTEMS CABLING			
SCALE	NOTE	SIZE	REV.
1/8"	1	D	A
D I C RK07-0-3			
OF 14			

THIS DRAWING AND SPECIFICATIONS HEREIN ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1978 DIGITAL EQUIPMENT CORPORATION

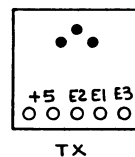
SIGNAL NAME	CABLE CARD (CC) SLOT-1		CABLE NUMBER	R/W BOARD (RW) CABLE CONN PIN	REMARKS
	BACK-PLANE PIN	CABLE CONN PIN			
GND C		J1/P1-A	① 4 Ø COND R/W (GREY)	P1/J1-UU	FOR R/W BOARD CONN LAYOUT SEE SHEET 5 FIG. 1
GND C		J1/P1-B		P1/J1-VV	
CYL ADD 7 H	DN2	J1/P1-C		P1/J1-TT	
CYL ADD 6 H	DP2	J1/P1-D		P1/J1-SS	
		J1/P1-E		P1/J1-RR	
CYL ADD 8 H	DR1	J1/P1-F		P1/J1-PP	
+5B	DA2	J1/P1-H		P1/J1-NN	
+5B	DA2	J1/P1-J		P1/J1-MM	
+25B	DE2	J1/P1-K		P1/J1-LL	
+25B	DE2	J1/P1-L		P1/J1-KK	
GND C		J1/P1-M		P1/J1-JJ	
		J1/P1-N		P1/J1-HH	
GND C		J1/P1-P		P1/J1-FF	
WR DATA L	DS2	J1/P1-R		P1/J1-EE	
GND C		J1/P1-S		P1/J1-DD	
WR GATE L	DU2	J1/P1-T		P1/J1-CC	
ALIGN SIGNA	DM1	J1/P1-U		P1/J1-BB	
ALIGN SIGNA	DN1	J1/P1-V		P1/J1-AA	
SET CURR FAULT	DM2	J1/P1-W		P1/J1-Z	
SET HD FAULT L	DV1	J1/P1-X		P1/J1-Y	
SET MULT HD L	DL2	J1/P1-Y		P1/J1-X	
		J1/P1-Z		P1/J1-W	
GND B		J1/P1-AA		P1/J1-V	FOR CABLE CARD CONN LAYOUT SEE SHEET 5 FIG. 4
-15V	DB2	J1/P1-BB		P1/J1-U	
SET NOTRANSL	DK2	J1/P1-CC		P1/J1-T	
SET NOTRANSL	DK2	J1/P1-DD		P1/J1-S	
UNS TST	DJ2	J1/P1-EE		P1/J1-R	
		J1/P1-FF		P1/J1-Q	
GND B		J1/P1-GG		P1/J1-P	
+15V	DD2	J1/P1-HH		P1/J1-O	
+25A	DE2	J1/P1-IJ		P1/J1-N	
+25A	DE2	J1/P1-KK		P1/J1-M	
+5A	DA2	J1/P1-LL		P1/J1-L	
+5A	DA2	J1/P1-MM		P1/J1-K	
+5A	DA2	J1/P1-NN		P1/J1-J	
		J1/P1-PP		P1/J1-I	
HD Ø L	DE1	J1/P1-RR		P1/J1-H	
HD1 L	DH2	J1/P1-SS		P1/J1-G	
HD2 L	DF2	J1/P1-TT		P1/J1-F	
GND A		J1/P1-UU		P1/J1-E	
GND A		J1/P1-VV		P1/J1-D	
				P1/J1-C	

SIGNAL NAME	CABLE CARD (CC) SLOT-1		CABLE NUMBER	R/W BOARD (RW) CABLE CONN PIN	REMARKS
	BACK-PLANE PIN	CABLE CONN PIN			
+15	DD2	J2/P2-A	② 2 Ø COND R/W (GREY)	P2/J2-X	FOR R/W BOARD CONN LAYOUT SEE SHEET 5 FIG. 1
+15	DD2	J2/P2-B		P2/J2-W	
GND D		J2/P2-C		P2/J2-V	
GND D		J2/P2-D		P2/J2-U	
-5	DR2	J2/P2-E		P2/J2-T	
-5	DR2	J2/P2-F		P2/J2-S	
GND		J2/P2-G		P2/J2-R	
GND		J2/P2-H		P2/J2-Q	
+5C	DA2	J2/P2-I		P2/J2-P	
+5C	DA2	J2/P2-J		P2/J2-N	
GND D		J2/P2-K		P2/J2-M	
GND D		J2/P2-L		P2/J2-L	
GND D		J2/P2-M		P2/J2-K	
WR GATE L	CV1	J2/P2-N		P2/J2-J	
GND D		J2/P2-O		P2/J2-I	
RD DATA 2 L	CU2	J2/P2-P		P2/J2-H	FOR CABLE CARD CONN LAYOUT SEE SHEET 5 FIG. 4
GND D		J2/P2-Q		P2/J2-G	
RD DATA 1 L	CU1	J2/P2-R		P2/J2-F	
GND D		J2/P2-S		P2/J2-E	
GND D		J2/P2-T		P2/J2-D	
GND D		J2/P2-U		P2/J2-C	
GND D		J2/P2-V		P2/J2-B	
GND D		J2/P2-W		P2/J2-A	

SIGNAL NAME	SERVO PREAMP (SPA) PIN	WIRE COLOR	CABLE NUMBER	M7708 BACKPLANE PIN (TPD)	REMARKS
+15V	SPI-J1/P1-2	ORN	③ TWINAX SERVO PREAMP	SLOT 8 CD2	DRAIN
GND	SPI-J1/P1-3	BLK		SLOT 8 CC2	
SVO PRE B	SPI-J1/P1-6	BLU		SLOT 8 DP2	
SVO PRE COM	SPI-J1/P1-7	WHT		SLOT 8 DMT	
SVO PRE A	SPI-J1/P1-8	CLEAR		SLOT 8 DU2	

SIGNAL NAME	CABLE CARD (CC) SLOT-1		CABLE NUMBER	CONNECTOR TX-1Ø		WIRE COLOR	CABLE NUMBER	TERMINAL	REMARKS
	BACK-PLANE PIN	CABLE CONN PIN		CONN	CONN				
HD LD *2 (BUCKING)	CR2	J3/P3-A	④	P/J1Ø-X	J/P8-3	YEL	④A 3 COND HEAD LOAD TACH	HLT-5	
HD LD COMMON	CS2	J3/P3-B		P/J1Ø-W	J/P8-4	GRY		HLT-4	
HD LD *1 (TACH)	CP2	J3/P3-C		P/J1Ø-V	J/P8-1	GRN		HLT-3	
GND		J3/P3-D		P/J1Ø-U	J/P8-2	-		-	
HOME L	CN2	J3/P3-E	2 Ø COND (GREY)	P/J1Ø-T	J/P7-3	ORN	④B 4 COND HOME SW HOME LOCK	HLM2S1-4	
+25V	CE2	J3/P3-F		P/J1Ø-S	J/P7-4	VIO		HLSOL-1	
HOME LOCK RELEASE L	CM2	J3/P3-H		P/J1Ø-R	J/P7-1	YEL		HLSOL-2	
GND		J3/P3-J		P/J1Ø-P	J/P7-2	BLK		HLM2S1-3	
LIM PA (SEE NOTE)	CL2	J3/P3-K	POSITIONER AREA SEE PAGE 5 FIG. 4 FOR CABLE CARD CONN LAYOUT	P/J1Ø-N	J/P6-11	VIO	④C 8 COND PHOTO TRANSDUCER	PXU12	
GND		J3/P3-L		P/J1Ø-M	J/P6-	-		PXU9	
+COS PA	CK2	J3/P3-M		P/J1Ø-L	J/P6-9	GRN		PXU14	
GND		J3/P3-N		P/J1Ø-K	J/P6-	-			
-SIN PA	CJ2	J3/P3-P		P/J1Ø-J	J/P6-7	YEL			
GND		J3/P3-R		P/J1Ø-I	J/P6-	-			
		J3/P3-S		P/J1Ø-H	J/P6-	-			
+15V	CD2	J3/P3-T		P/J1Ø-G	J/P6-6	ORN		PXU4	
LED CATHODE	CH1	J3/P3-U		P/J1Ø-F	J/P6-3	WHT		PXU6	
-15V	CB2	J3/P3-V		P/J1Ø-E	J/P6-4	BLU		PXU8	
GLASS XDR COM (GND)	CF1	J3/P3-W		P/J1Ø-D	J/P6-1	BLK		PXU1	
+5V	CA2	J3/P3-X		P/J1Ø-C	J/P6-2	RED		PXU2	

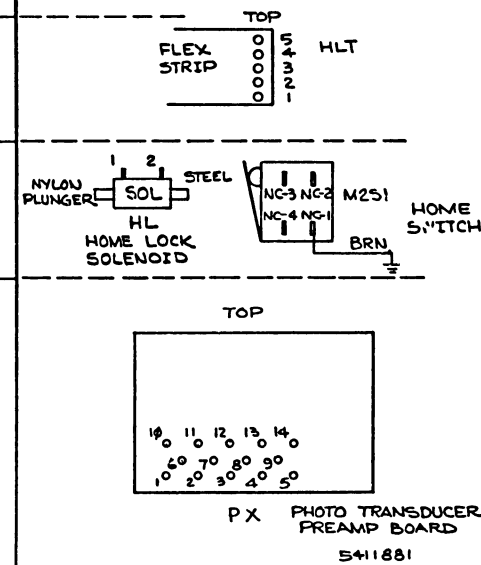
SIGNAL NAME	PHOTO TRANSDUCER WIRING				REMARKS
	PREAMP (PX)	WIRE COLOR	CABLE NUMBER	TRANSDUCER ASSEMBLY (TX)	
SIN X (E1)	PX-U5	YEL	④C 6 WIRES (PART OF PHOTO TRANS ASSY)	TX-E1	SEE NOTE
-COS X (E2)	PX-U13	GRN		TX-E2	
LIM X (E3)	PX-U3	VIO		TX-E3	
PHOTO DIODE CATH (+5V)	PX-U11	BRN		TX-+5	
LED ANODE (+5V)	PX-U7	RED		TX-AN	
LED CATHODE	PX-U1Ø	WHT		TX-CA	



XP6					XP7					XP8				
A	C	E	H	K	M	P	S	U	W					
0	2	4	6	8	10	12	14	16	18					
B	D	F	J	L	N	R	T	V	X					
1	3	5	7	9	11	13	15	17	19					

CONNECTOR TX-1Ø

AS VIEWED FROM SIDE AND TOP OF DRIVE THE 2Ø PIN CABLE ON BOTTOM THE THREE XP CABLES ON TOP



NOTE:
ON SOME RK07'S THE LIMPA CHANNEL HAS BEEN ELIMINATED AS NOT REQUIRED FOR RK07 THEREFORE THESE INTERCONNECTIONS WILL NOT EXIST

REVISIONS		
CHK	CHANGE NO.	REV.

FOR SERIAL * 53380 AND HIGHER									
TITLE RK07 SYSTEMS CABLING					SIZE CODE D I C RK07-0-3		NUMBER A		REV.
SCALE					SHEET 8 OF 14		DIST.		

REVISIONS		
CHK	CHANGE NO	REV

BRUSH HOME SWITCH

COM
NO NC

M4SI

CARTRIDGE PRESENT SWITCH

COM
NO NC

CP5I

1 2
SOL

LL
LIDLOCK SOLENOID

COM
NO

LLSI

1 2
3 4
SX

F
SPEED SWITCH

	XP5	XP2	XP1
20X	20X	20E	20A
30X	30X	30E	30A
40X	40X	40E	40A
50X	50X	50E	50A
60X	60X	60E	60A
70X	70X	70E	70A
80X	80X	80E	80A
90X	90X	90E	90A
100X	100X	100E	100A

OPERATOR CONTROL PANEL
CONN PIN LAYOUT
PIN A IS FRONT PIN CLOSEST TO BOARD

AB

FLEX STRIP

LM-2
LM-1

RIB DENOTES PIN 1

PIN SIDE

PIN 1

PIN 2

CAM2PI
CAB1PI
TAT1PI

②

POWER SUPPLY
ELECTRONICS
BOARD

* THIS WIRE PHYSICALLY PART
OF CABLE 14

Diagram of a component with pins A and X. Pin A is the front pin closest to the board.

Pin	Definition
1	AB

The diagram illustrates the correct orientation for inserting the CNP7 and AIPI modules into the Power Supply Electronics Board. The CNP7 module is inserted with 'THIS SIDE UP' facing the board, and the AIPI module is inserted with 'THIS SIDE UP' facing the board. The board is labeled 'POWER SUPPLY ELECTRONICS BOARD'.

TITLE		SIZE CODE		NUMBER		REVISION	
RK07 SYSTEMS CABLING		D IC		RK07-0-3		A	
SCALE		SHEET 9 OF 14		DIST.			

THIS DRAWING AND SPECIFICATIONS HEREIN ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1976 DIGITAL EQUIPMENT CORPORATION

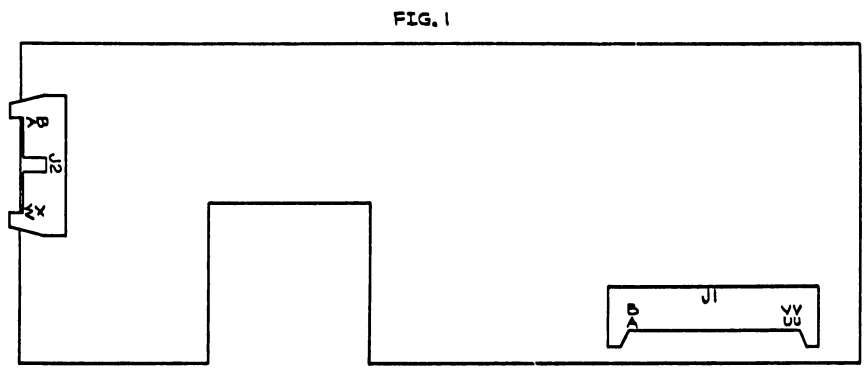


FIG. 1
R/W BOARD CONNECTOR LABELING
NOTE: PIN A FRONT PIN, CLOSEST TO BOARD

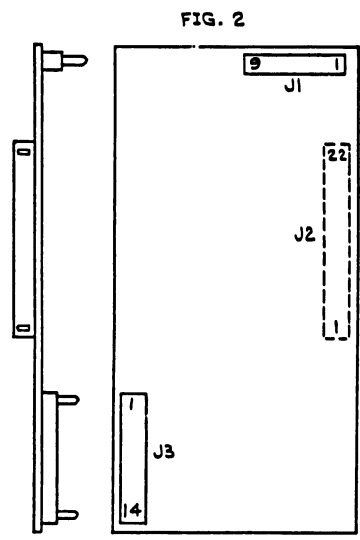


FIG. 2
POWER SUPPLY
CAP BOARD
A2

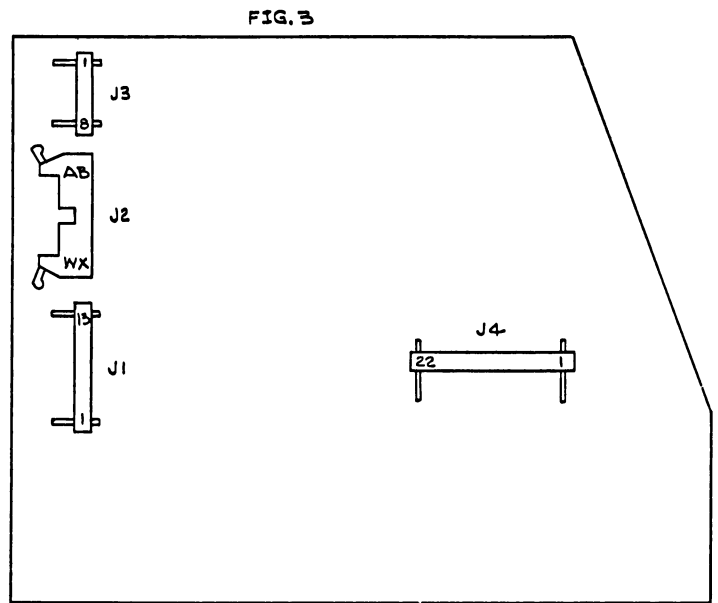


FIG. 3
H767 POWER SUPPLY BOARD
A1

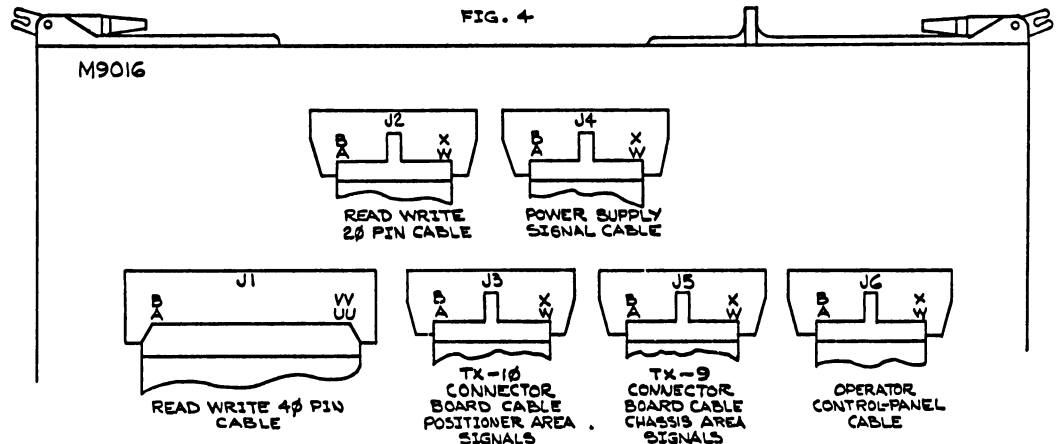


FIG. 4
M9016
NOTE: PIN A FRONT PIN, CLOSEST TO BOARD

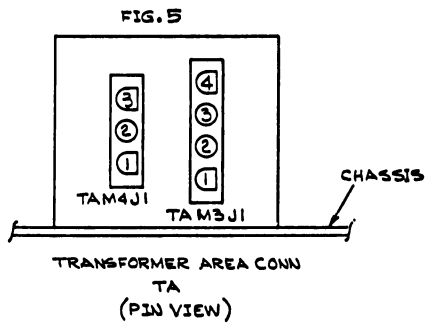


FIG. 5
TRANSFORMER AREA CONN
TA
(PIN VIEW)

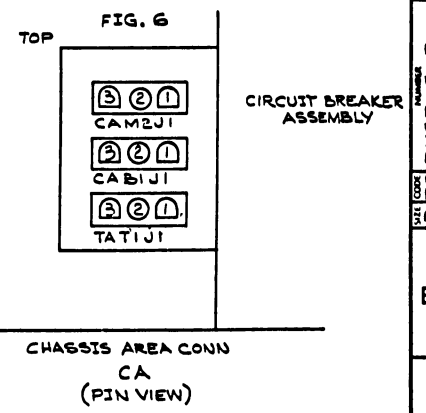
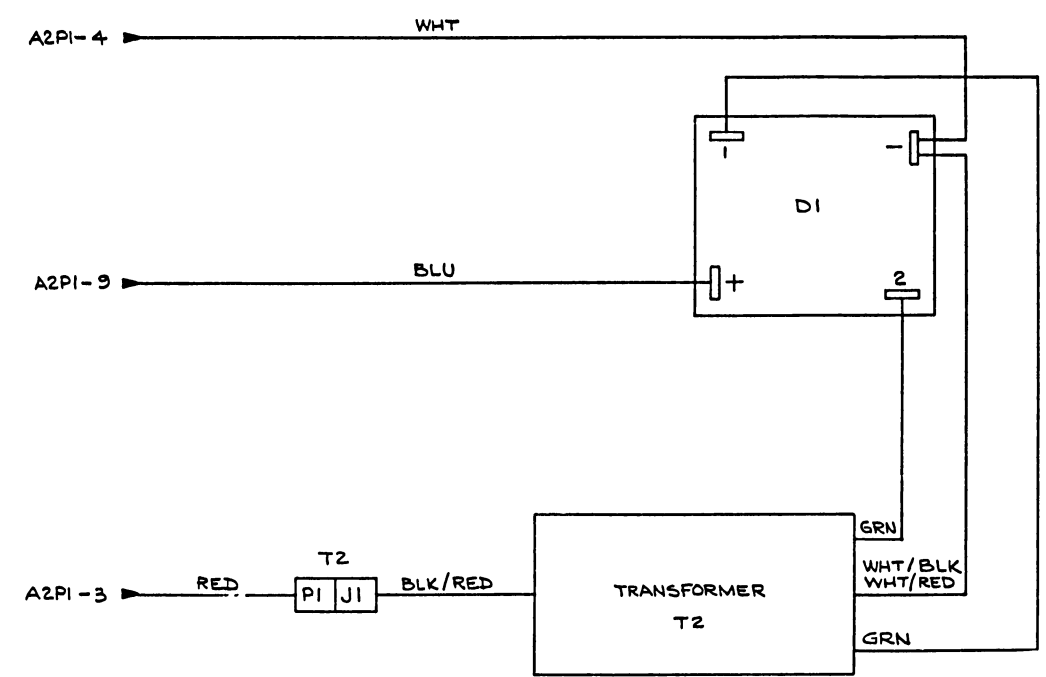


FIG. 6
CHASSIS AREA CONN
CA
(PIN VIEW)

REVISIONS		
CHK	CHANGE NO.	REV.

"THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OF ANY OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1978 DIGITAL EQUIPMENT CORPORATION"

A2PI IS ON CAP BOARD

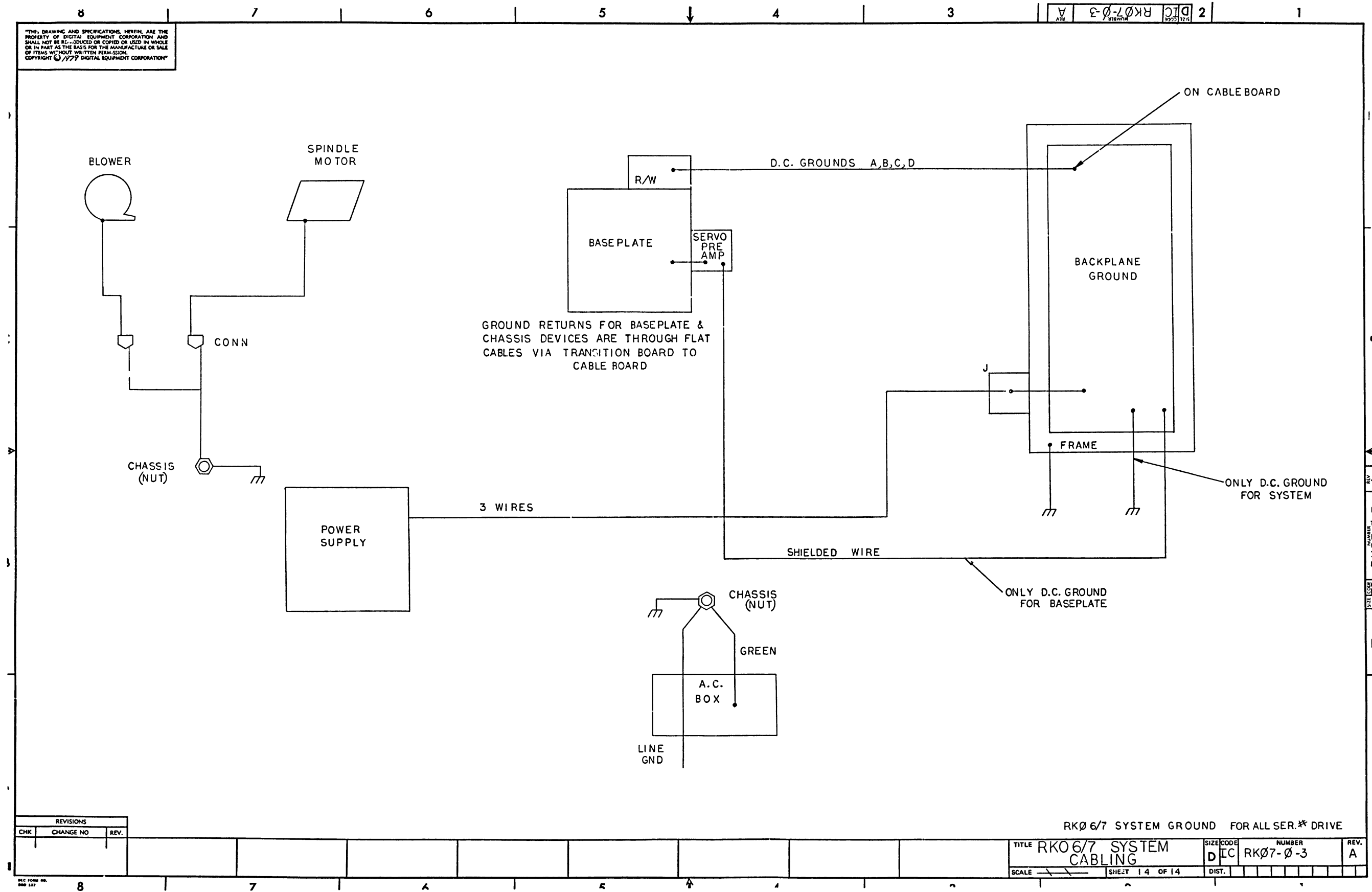


SPINDLE BRAKE
POWER SUPPLY
PART OF HT67-A-Ø POWER SUPPLY

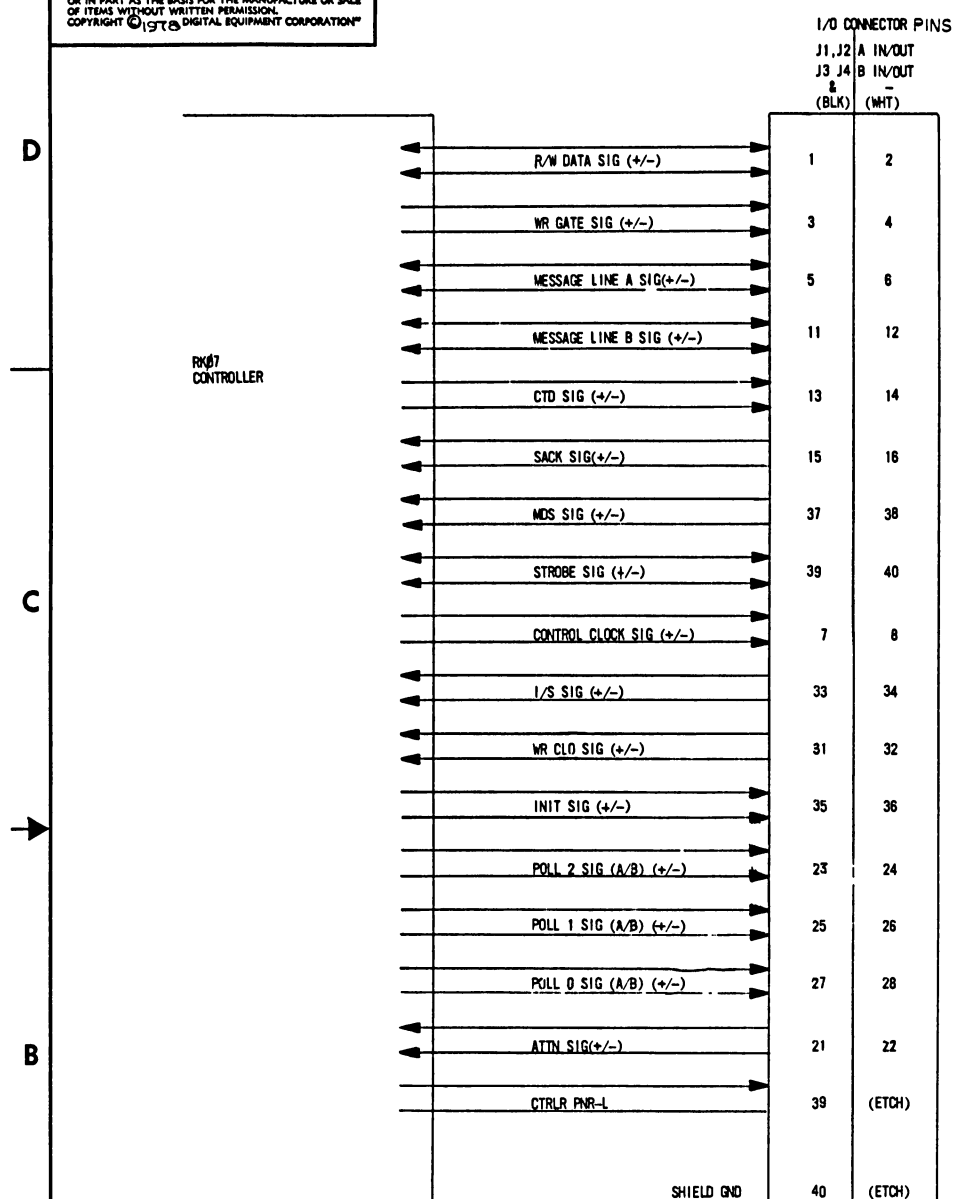
REVISIONS		
CHK	CHANGE NO.	REV.

FOR SERIAL * 5338Ø AND HIGHER

TITLE		SIZE/CODE		NUMBER		REV.
RKØ7 SYSTEMS CABLING		D I C		RKØ7-Ø-3		A
SCALE		SHEET 13 OF 14		DIST.		

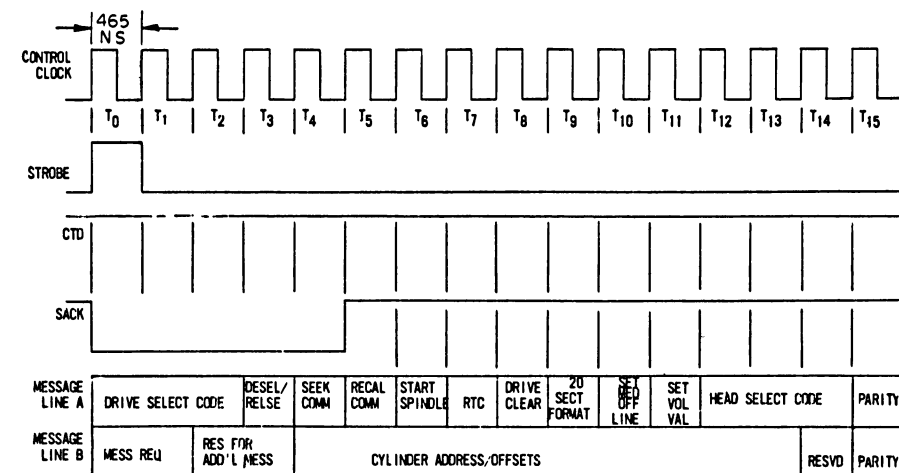


"THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION.
COPYRIGHT © 1984 DIGITAL EQUIPMENT CORPORATION"

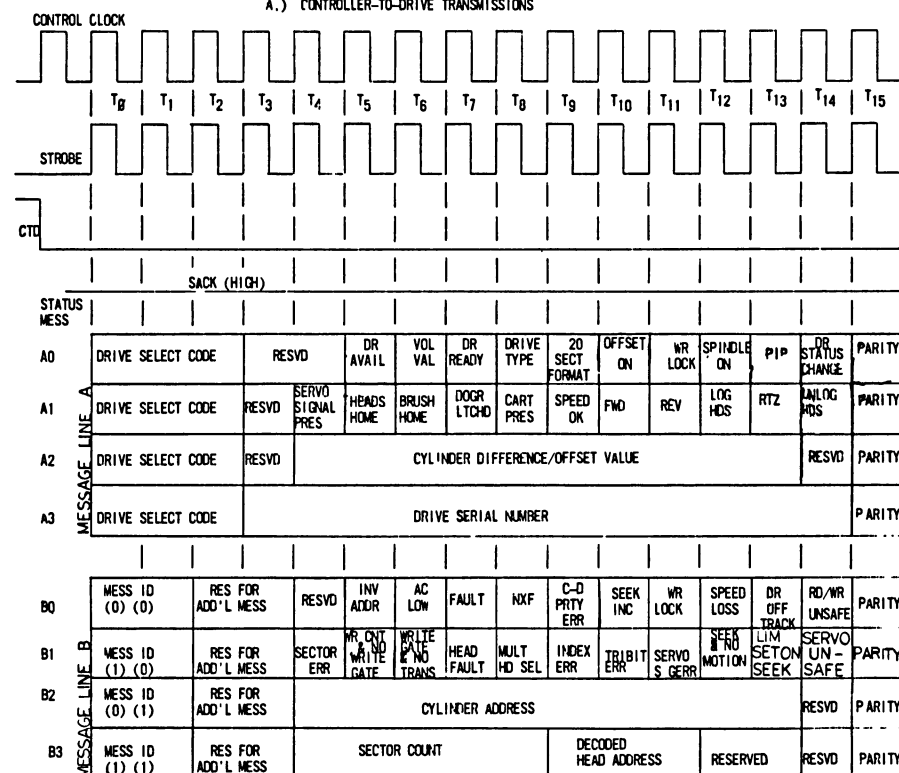


NOTE:

1. DUAL LINES INDICATE SIGNALS ARE DIFFERENTIAL PAIRS,
2. ARROWS INDICATE SIGNAL DIRECTIONS.



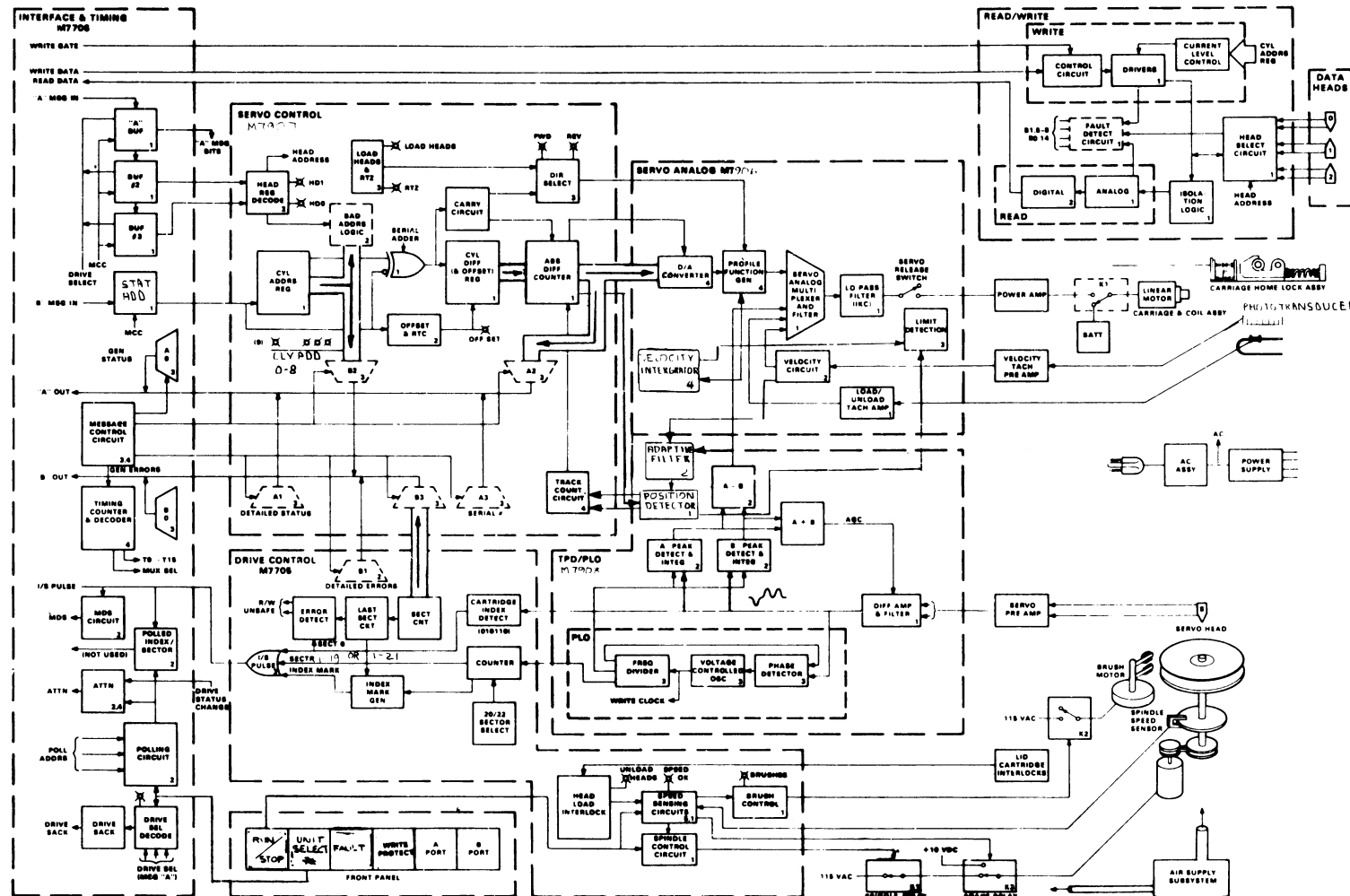
A.) CONTROLLER-TO-DRIVE TRANSMISSIONS



B.) DRIVE-TO- CONTROLLER TRANSMISSIONS

DRN: <i>W. M. McLean</i>	<i>1/15/76</i>	FIRST USED ON	RK07	digit
CHK'D <i>W. M. McLean</i>	<i>1/15/76</i>	TITLE	INTERFACING TIMING & STATUS	
ENG. <i>(Signature)</i>	<i>1/15/76</i>			
PROJ. ENG. <i>(Signature)</i>	<i>1/15/76</i>			
PROD. <i>(Signature)</i>	<i>1/15/76</i>			
NEXT HIGHER ASSY.				
B-D-RK07-0		SIZE	CODE	NUMBER
SCALE <i>---</i>		D	TD	RK07-0-9
SHEET	OF	DIST.		

THIS DRAWING AND SPECIFICATIONS HEREIN ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION
COPYRIGHT © 1978 DIGITAL EQUIPMENT CORPORATION



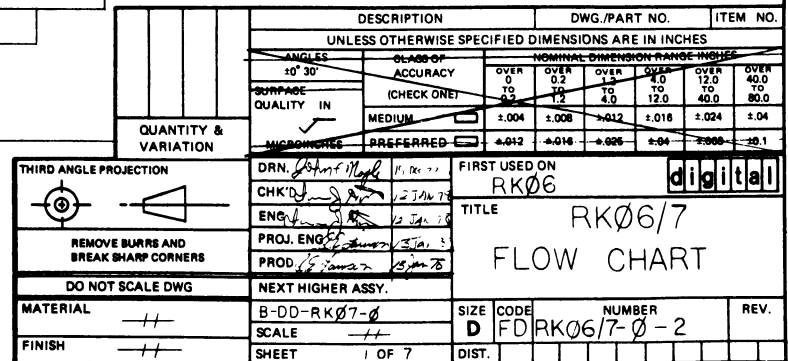
REVISIONS		REV
CHK	CHANGE NO	

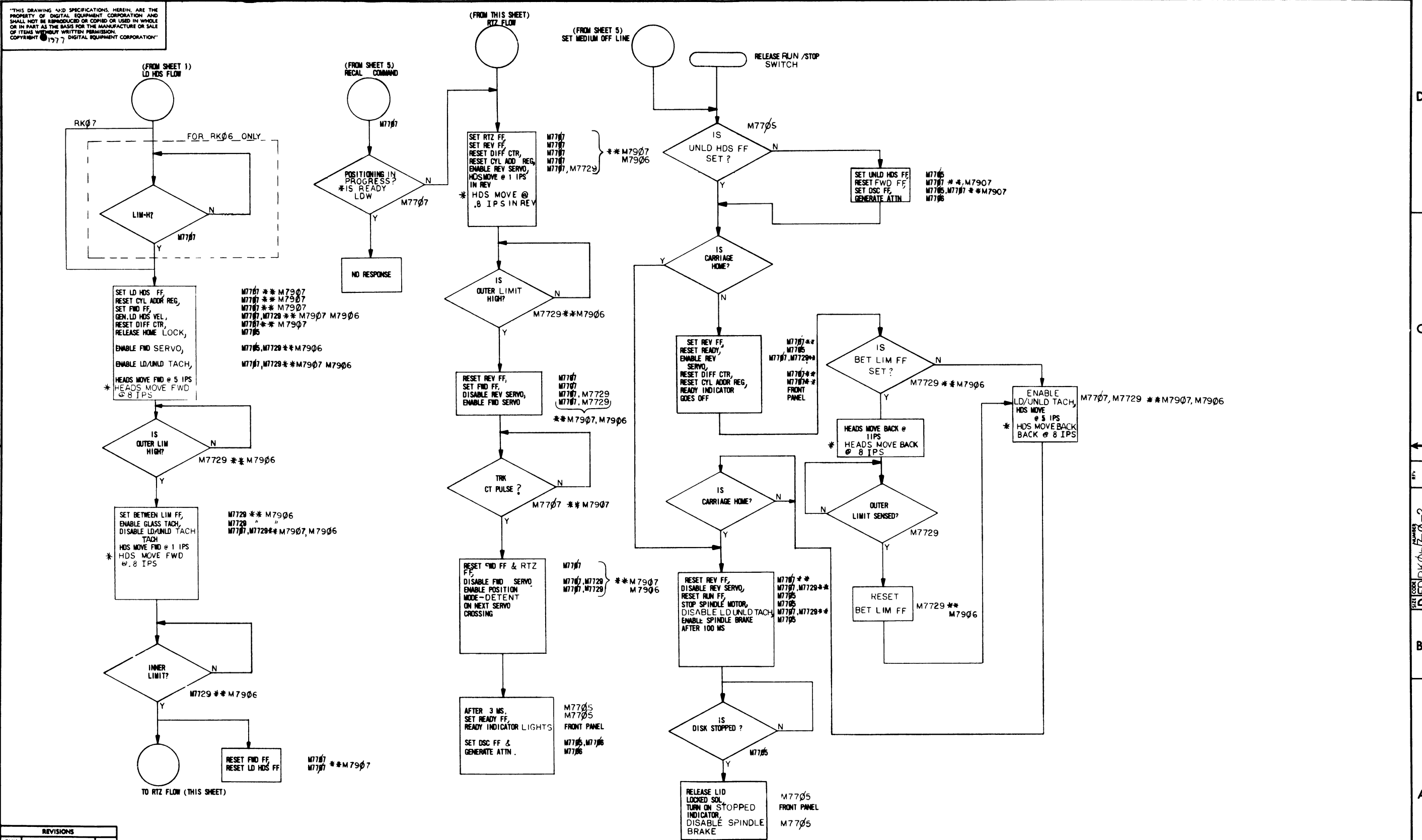
DEC FORM NO
1-92

FIRST USED ON OPTION/MODEL RK07	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES	DRN. <i>John Nale</i>	DATE 9 JAN 78	TITLE FUNCTIONAL BLOCK DIAGRAM	
TOLERANCES	CHKD. <i>John Nale</i>	DATE 12 JAN 78	EQUIPMENT CORPORATION MAYFIELD MASSACHUSETTS	
DECIMALS	ENG. <i>John Nale</i>	DATE 12 JAN 78	SIZE CODE C BD	
.XXX = .005	PROJ. ENR. <i>John Nale</i>	DATE 13 JAN 78	NUMBER RK07-0-10	
.XX = .02	PROB. <i>John Nale</i>	DATE 13 JAN 78	REV.	
.X = .1	NEXT HIGHER ASSY. B-DD-RK07-0			
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY V	SCALE SHEET 1 OF 1			
MATERIAL //	DIST.			
FINISH //				

NOTE:

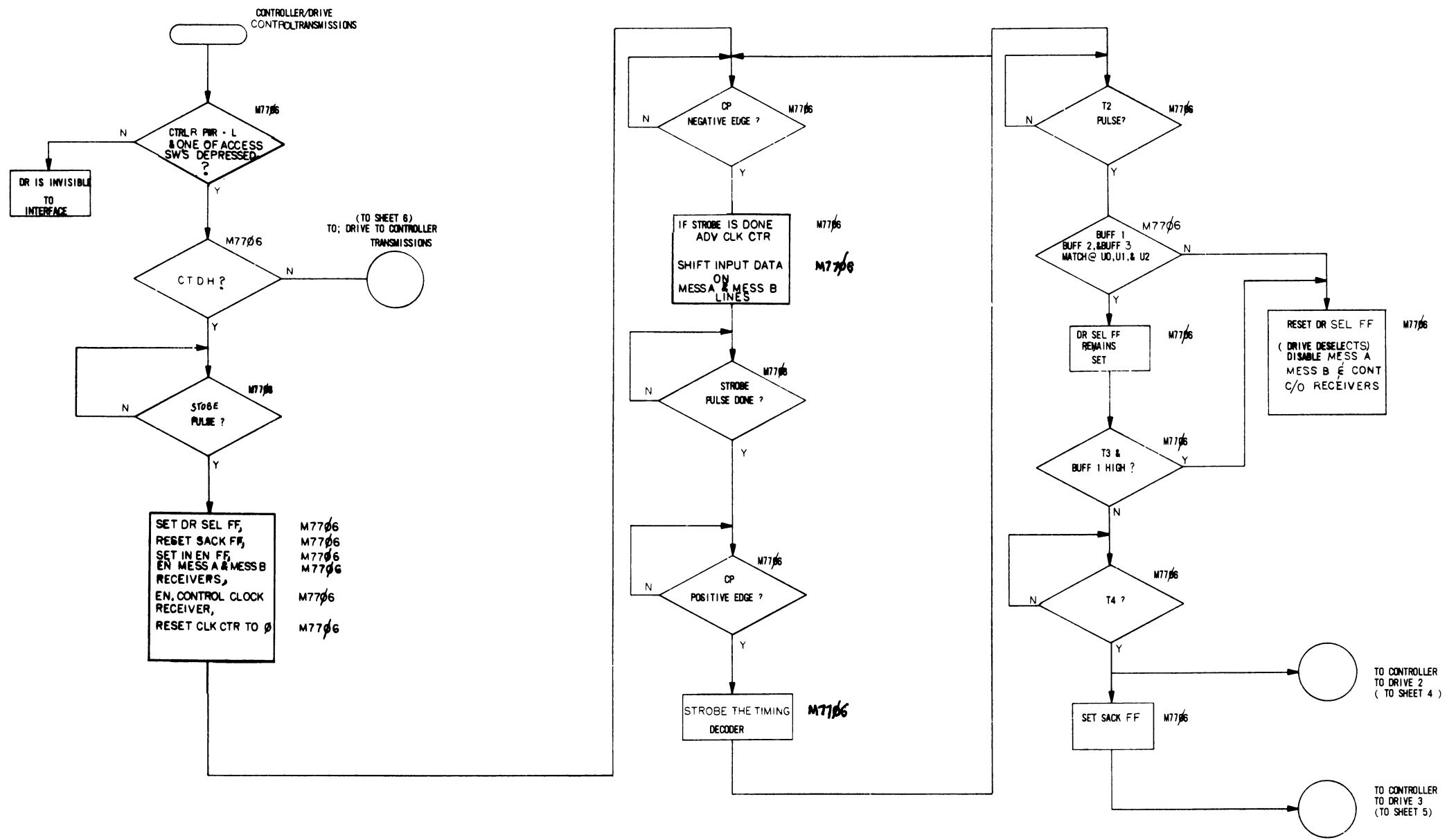
- * FOR RKØ7 ONLY.
- ** FOR RKØ7:
 - M77Ø7 IS REPLACED WITH M79Ø7
 - M7729 IS REPLACED WITH M79Ø6





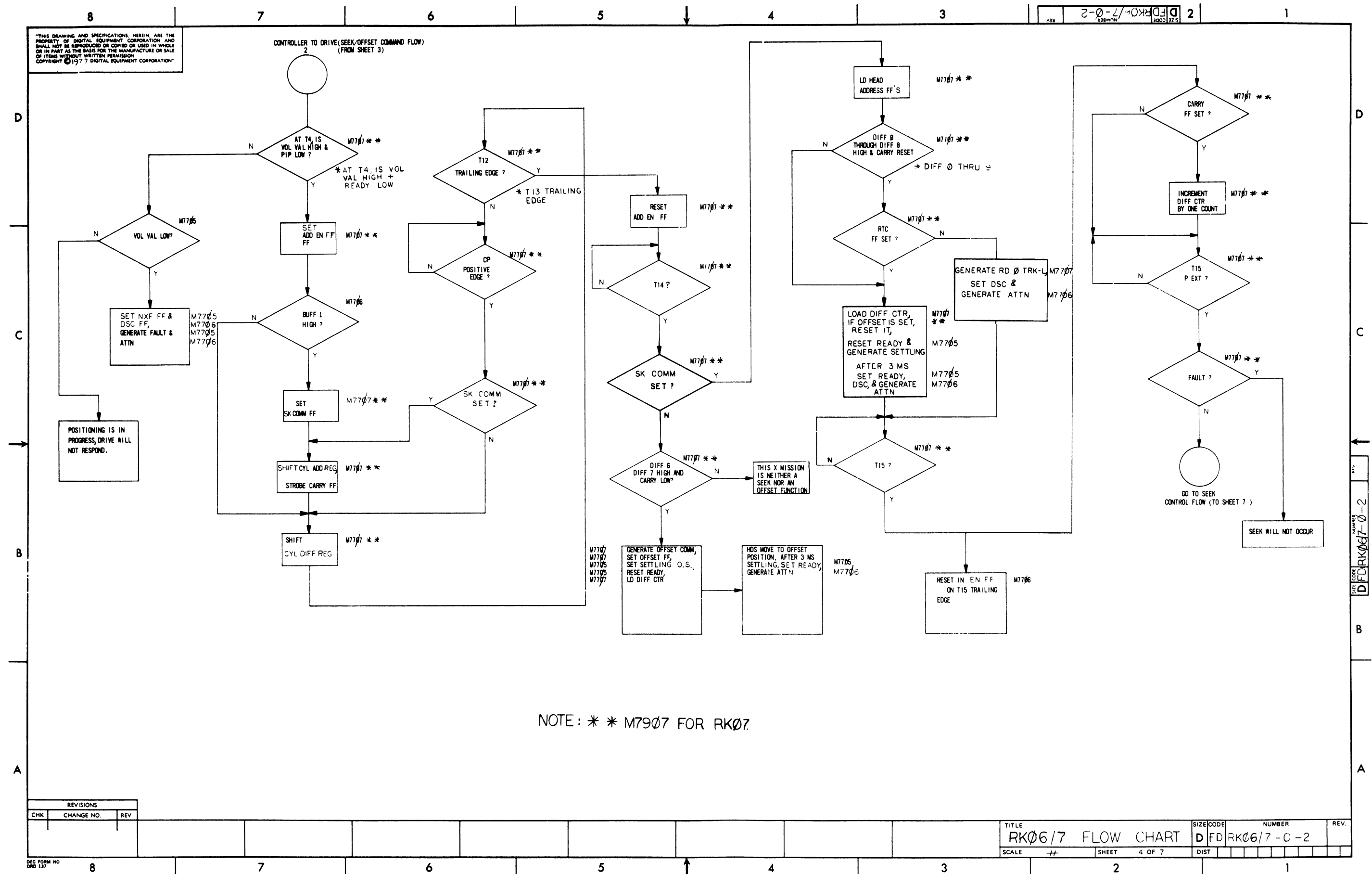
REVISIONS		
CHK	CHANGE NO.	REV.

"THIS DRAWING AND SPECIFICATIONS HEREIN ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1977 DIGITAL EQUIPMENT CORPORATION"

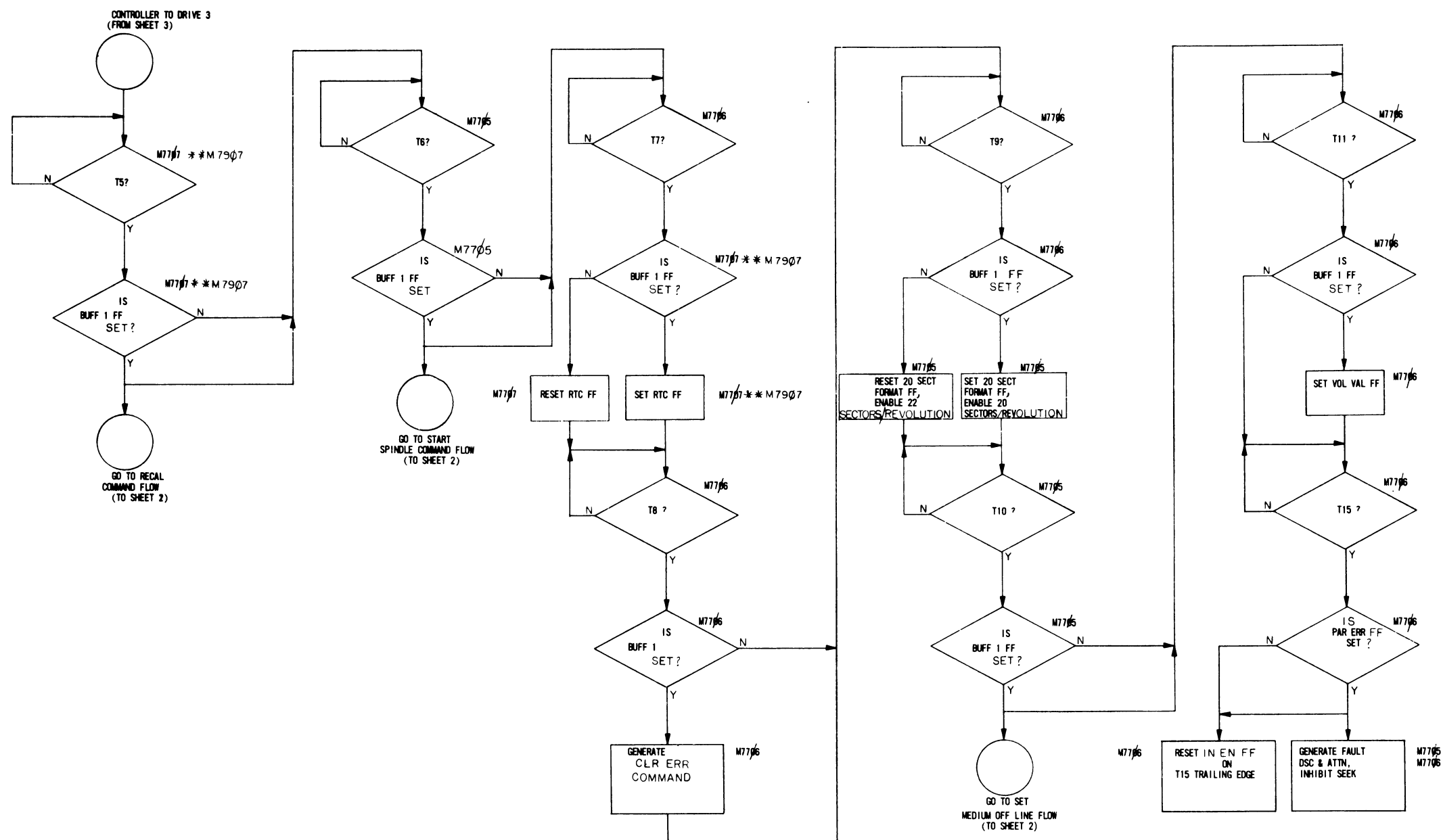


REVISIONS		
CHK	CHANGE NO.	REV.

TITLE RK06/7 FLOW CHART						SIZE CODE D FDRK06/7-0-2	NUMER 3 OF 7	REV. 1
SCALE --						DIST.		

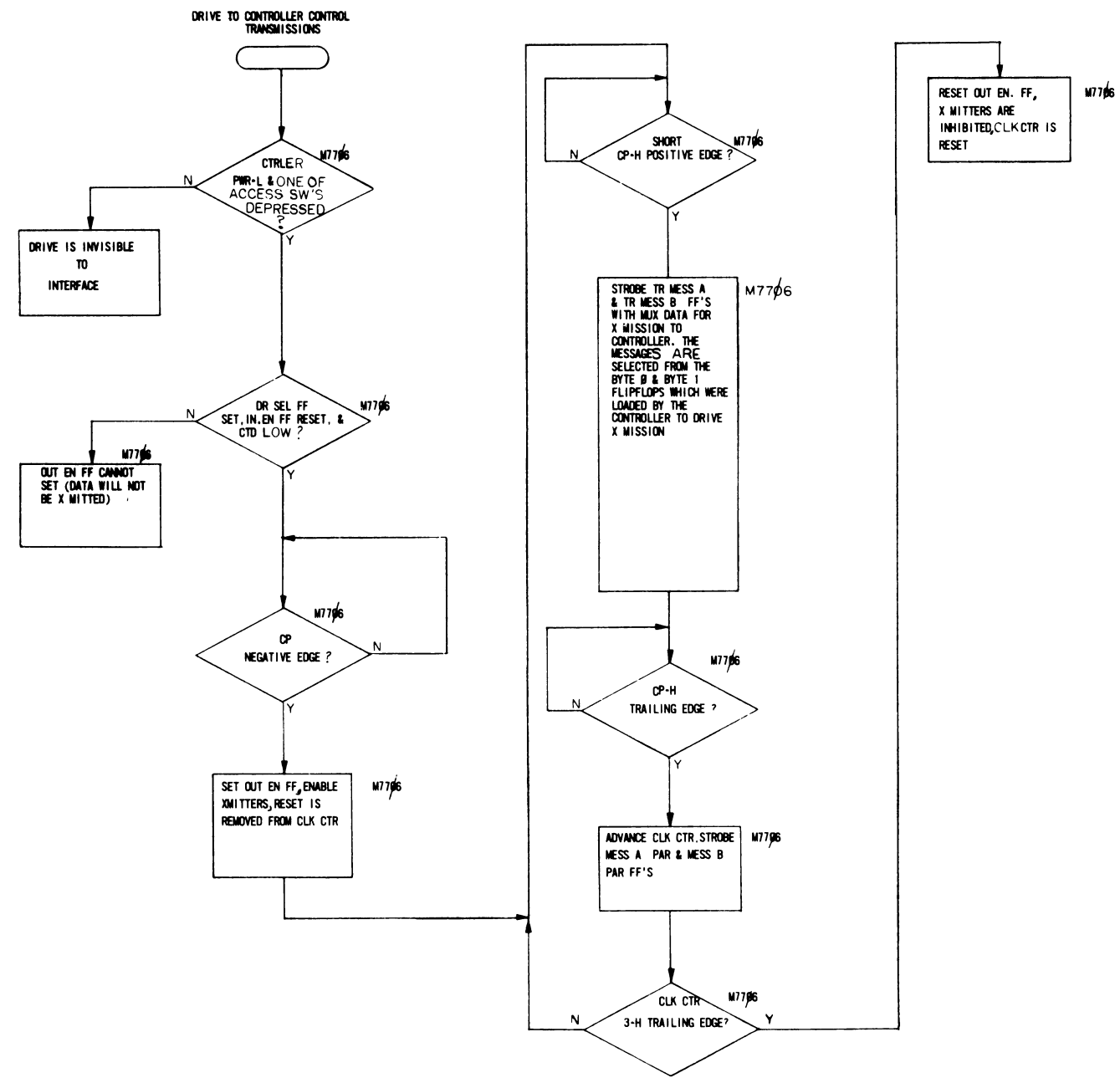


"THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION
COPYRIGHT © 1977 DIGITAL EQUIPMENT CORPORATION"



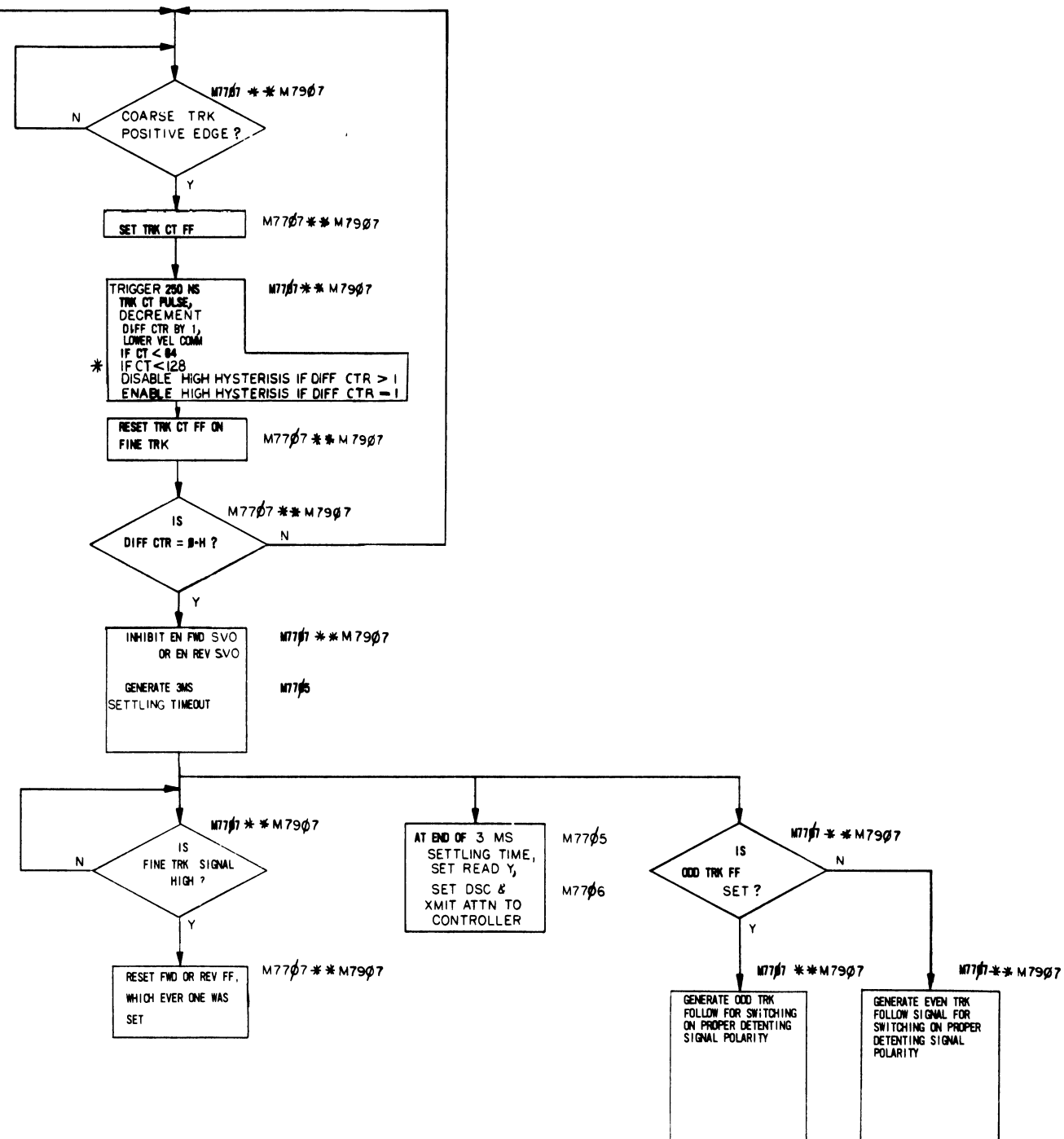
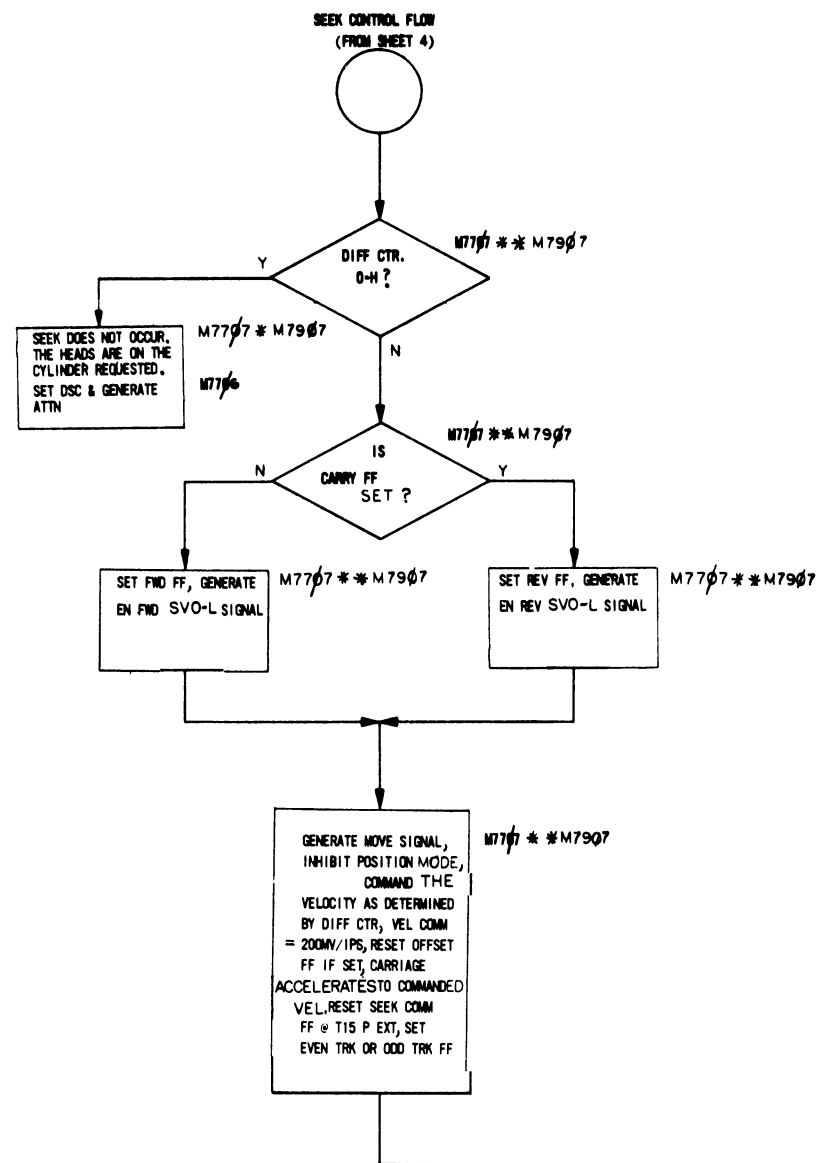
REVISIONS		
CHK	CHANGE NO.	REV.

"THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1977 "DIGITAL EQUIPMENT CORPORATION"



REVISIONS		
CHK	CHANGE NO.	REV.

"THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1973 DIGITAL EQUIPMENT CORPORATION"



REVISIONS		
CHK	CHANGE NO.	REV.

"THIS DRAWING AND SPECIFICATIONS HEREIN ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION.
COPYRIGHT © , DIGITAL EQUIPMENT CORPORATION"

SCA T15 PEXT-H

SCA E39 PIN4

I+T1 STROBE-H
(A3P2) TEST POINT
(A2P2) PORT B ON DUAL PORT

I+T1 CLOCK PULSE-H
(A3A1)
(A2A1)

I+T4 CLOCK TIMES-H (SEE NOTE 1)

SC2 LD DIFF CTR-L

SC2 DIFF CTR-H
(C6N1)

SCI ADD EN (I)-L
(D6R2)

I+T1 BUFF I (I)-H
(D6N1)

SCI SK COMM (I)-H
(D6C1)

SCI LD DIR-L

SCI CARRY (I)-H

I+T1 STAT ADD (I)-H
(C6V1)

SC2 HIGH HYS-L
(C6B1)

DC2 SETTLING (I)-L
(C6J2)

SC4 EN REV SVO-L
(B6P2)

SC4 MOVE-L
(D6V2)

SCI CYL ADD (I)-H

SC4 EVEN TRK FOLLOW-L
(B6E1)

DC2 READY (I)-H
(C5P2)

SA7 VELOCITY COMMAND
(B7A1)

VELOCITY PROFILE
SA4-VEL (B7M2)

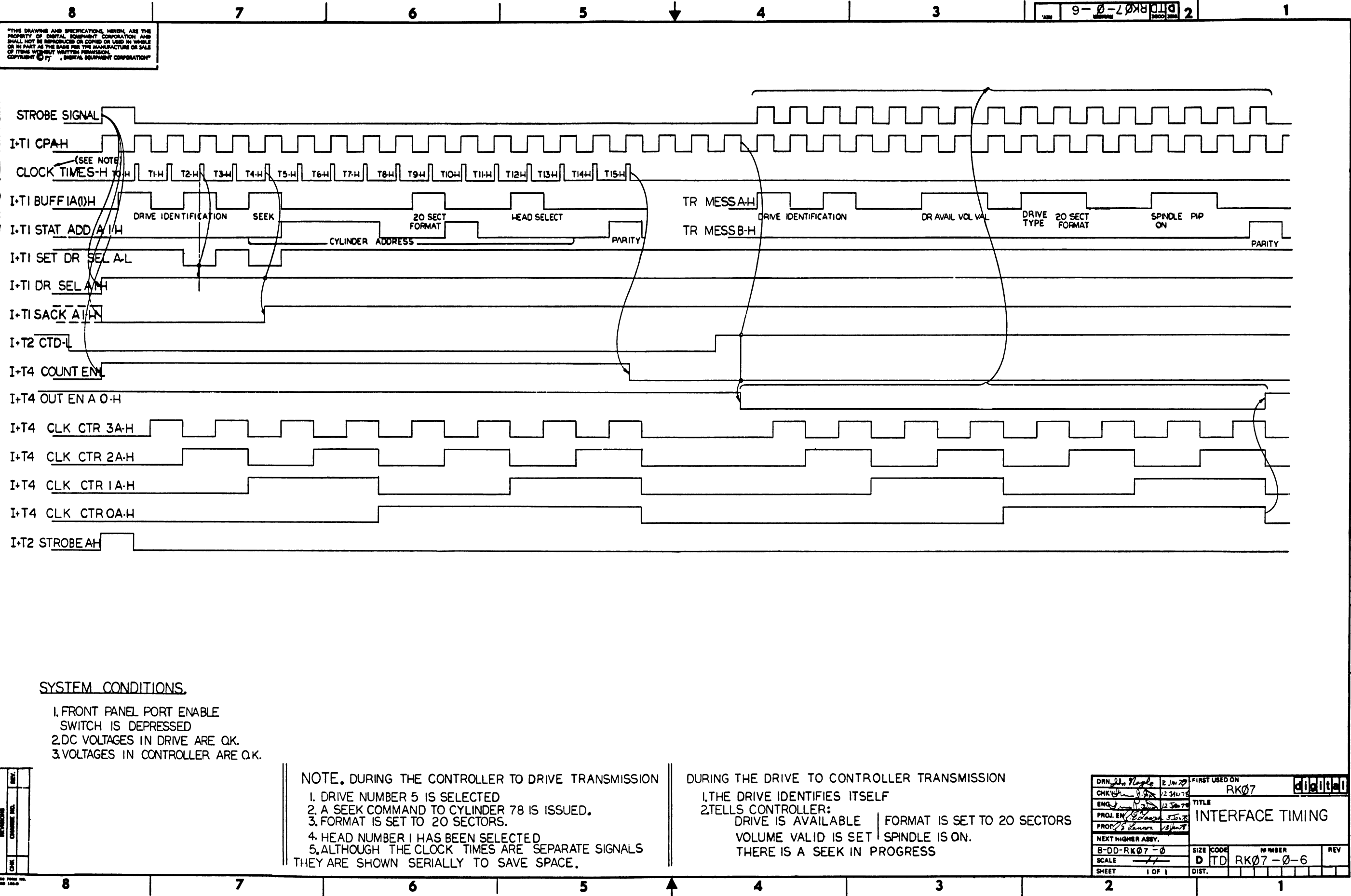
SYSTEM CONDITIONS:

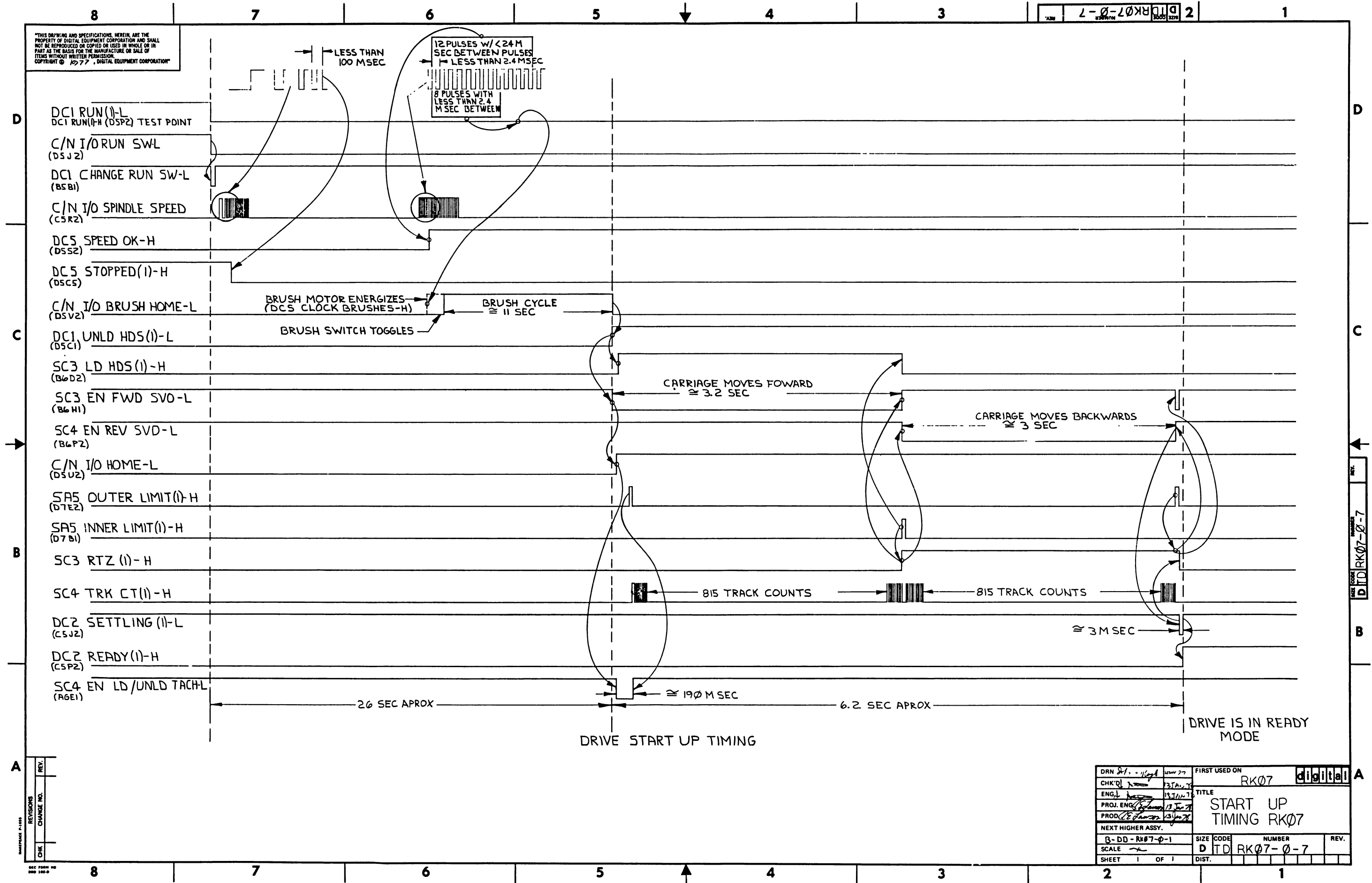
1. VOLUME VALID IS SET
2. THERE ARE NO FAULTS
3. DRIVE IS READY CARRIAGE IS ON CYLINDER 601₁₀ (1131₈)
4. A SEEK COMMAND TO CYLINDER 200₁₀ (310₈) IS ISSUED.

NOTES:

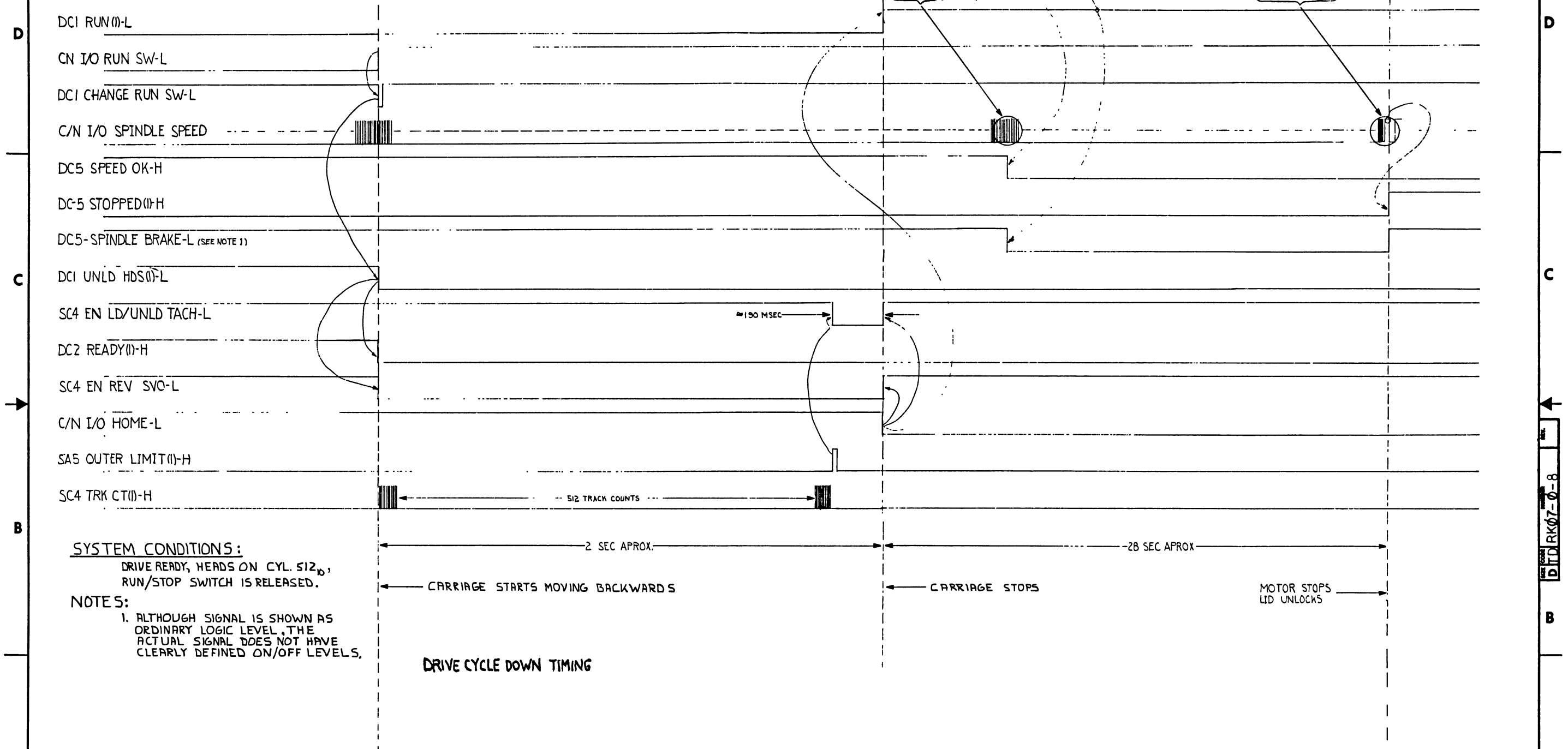
1. ALTHOUGH THE CLOCK TIMES ARE SEPARATE PARALLEL SIGNALS THEY ARE SHOWN AS A STRING OF PULSES TO CONSERVE SPACE

DRN <i>John Nagle</i>	9 Jan 78	FIRST USED ON	RK07 digital
CHK'D <i>W. N.</i>	15 Jan 78	TITLE	SEEK OPERATION TIMING DIAGRAM
ENG. <i>W. N.</i>	13 Jan 78	SIZE CODE	D
PROJ. ENG. <i>W. N.</i>	13 Jan 78	NUMBER	1
PROD. <i>W. N.</i>	13 Jan 78	DIST.	
NEXT HIGHER ASSY.		REV.	
B-DD-RK07-0			
SCALE			
SHEET 1 OF 1			





"THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1977, DIGITAL EQUIPMENT CORPORATION"



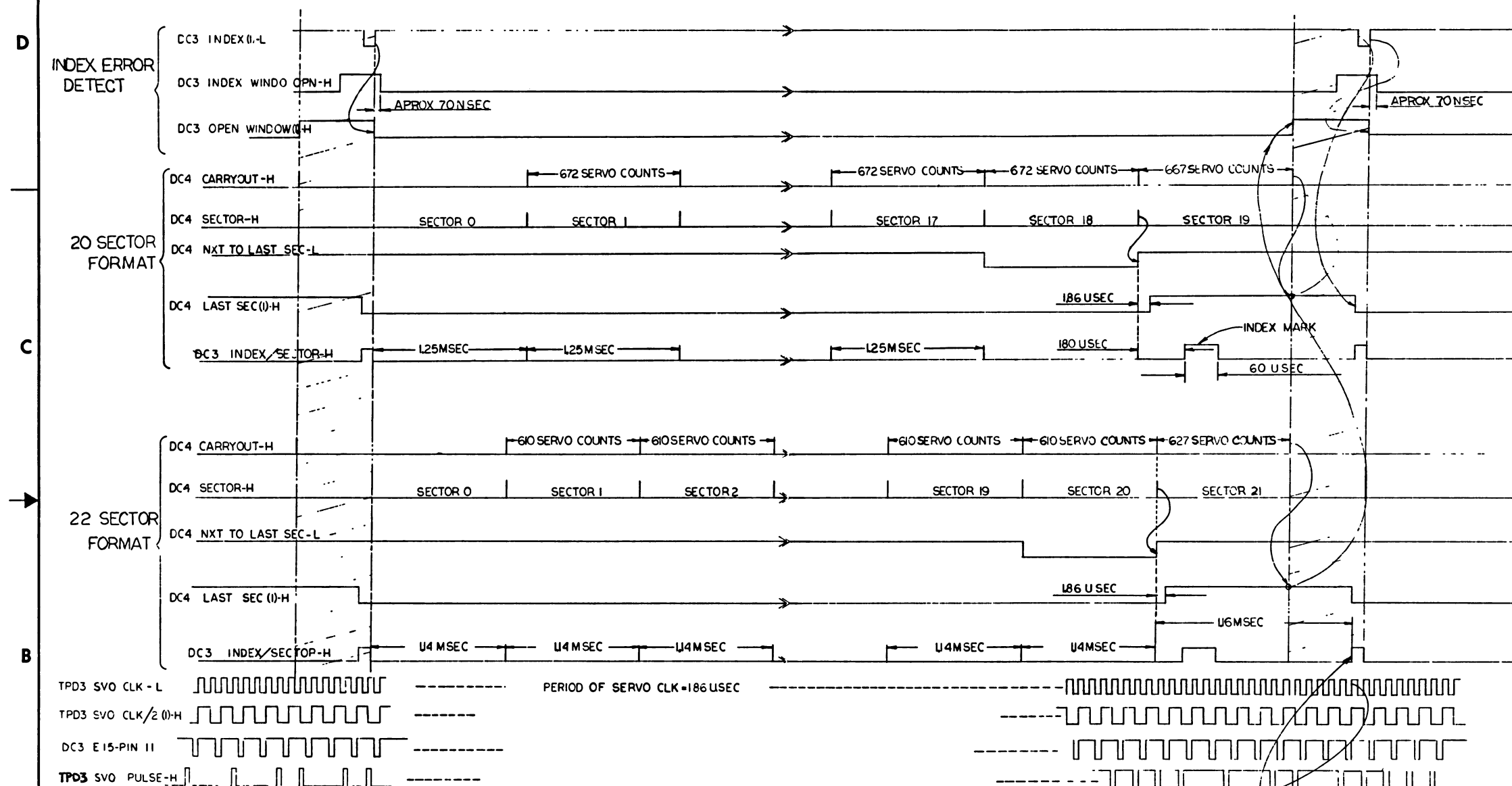
SYSTEM CONDITIONS:
DRIVE READY, HEADS ON CYL. 512,
RUN/STOP SWITCH IS RELEASED.

NOTE 5:
1. ALTHOUGH SIGNAL IS SHOWN AS
ORDINARY LOGIC LEVEL, THE
ACTUAL SIGNAL DOES NOT HAVE
CLEARLY DEFINED ON/OFF LEVELS.

DRN <i>S. R. Yag</i>	9 JAN 78	FIRST USED ON	RK07	digital
CHK'D <i>Y. N.</i>	15 JAN 78	TITLE	CYCLE DOWN TIMING	
ENG. <i>Y. N.</i>	15 JAN 78	PROJ. ENGR. <i>E. Brown</i>	15 JAN 78	
PROD. <i>S. R. Yag</i>	15 JAN 78	NEXT HIGHER ASSY.		
B-DD-RK07-0		SIZE	CODE	NUMBER
SCALE		D	TD	RK07-0-8
SHEET 1 OF 1		DIST.		

"THIS DRAWING AND SPECIFICATIONS HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION.
COPYRIGHT © 1976 DIGITAL EQUIPMENT CORPORATION"

NOTES:



— SPECIFIC PATTERN (01010)
OF MISSING TRIBITS ON SERVO SURFACE.

[illegible]

1. THE TIME **SCALE** OF THE SHADED AREA HAS BEEN EXPANDED OUT OF PROPORTION.
2. THE INDEX ERROR DETECT IS UTILIZED IN BOTH 20 AND 22. SECTOR FORMAT. THE NEXT TO LAST SECTOR PPELOAD ADJUSTS THE **CARRYOUT** AT THE END OF THE LAST **SECTOR** SUCH THAT OPEN WINDOW IS IN THE SAME **PLACE** REGARDLESS OF THE FORMAT.
3. SECTOR PULSE ϕ IS 3.72USEC WIDE. ALL OTHER SECTOR PULSES ARE 1.86 USEC WIDE.

QTY		REF. DESIGNATION		DESCRIPTION		PART NO.		ITEM NO.	
FIRST USED ON OPTION MODEL				PARTS LIST					
RK06				ETCH BOARD REV.					
				DRN.		DATE		digital T/ LE SECTOR COUNTER TIMING	
				CHK.D.		DATE			
				ENG		DATE			
				PROD. ENG.		DATE			
				PROD.		DATE			
				NEXT HIGHER ASSY					
				B DD-RK06-0		SIZE CODE		NUMBER	
DEC NO.		EIA NO.		DEC NO.		EIA NO.		D. TD	
SEMICONDUCTOR CONVERSION CHART				SCALE		DIST.		RK06-0-8	
				SHEET		1 OF 1		REV. A	

THIS DRAWING AND SPECIFICATIONS, HEREIN, AND THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION.
COPYRIGHT © 1977 DIGITAL EQUIPMENT CORPORATION

COMPONENT SIDE VIEW

REWORK INSTRUCTIONS:

ECO #7

ETCH CUTS SIDE 1:

7-1. CUT ETCH SIDE 1 AT E47-3

WIRE ADDS SIDE 1:

7-2. ADD WIRE BETWEEN DN1 AND E47-3

ECO #9

9-1. DRILL ONE #55 HOLE

9-2. INSTALL ONE END OF 510mmf CAP. THROUGH HOLE, TRIM AND TACK SOLDER TO PIN CR2.

USE TUBING A/R ON EXPIRED LEAD(SIDE 1)

9-3. INSTALL OTHER END OF CAP. IN PLATED THROUGH HOLE IN GROUND BUS. TRIM, USE TUBING A/R ON EXPOSED BOARD AND SOLDER.

ECO #11

ETCH CUTS SIDE 2

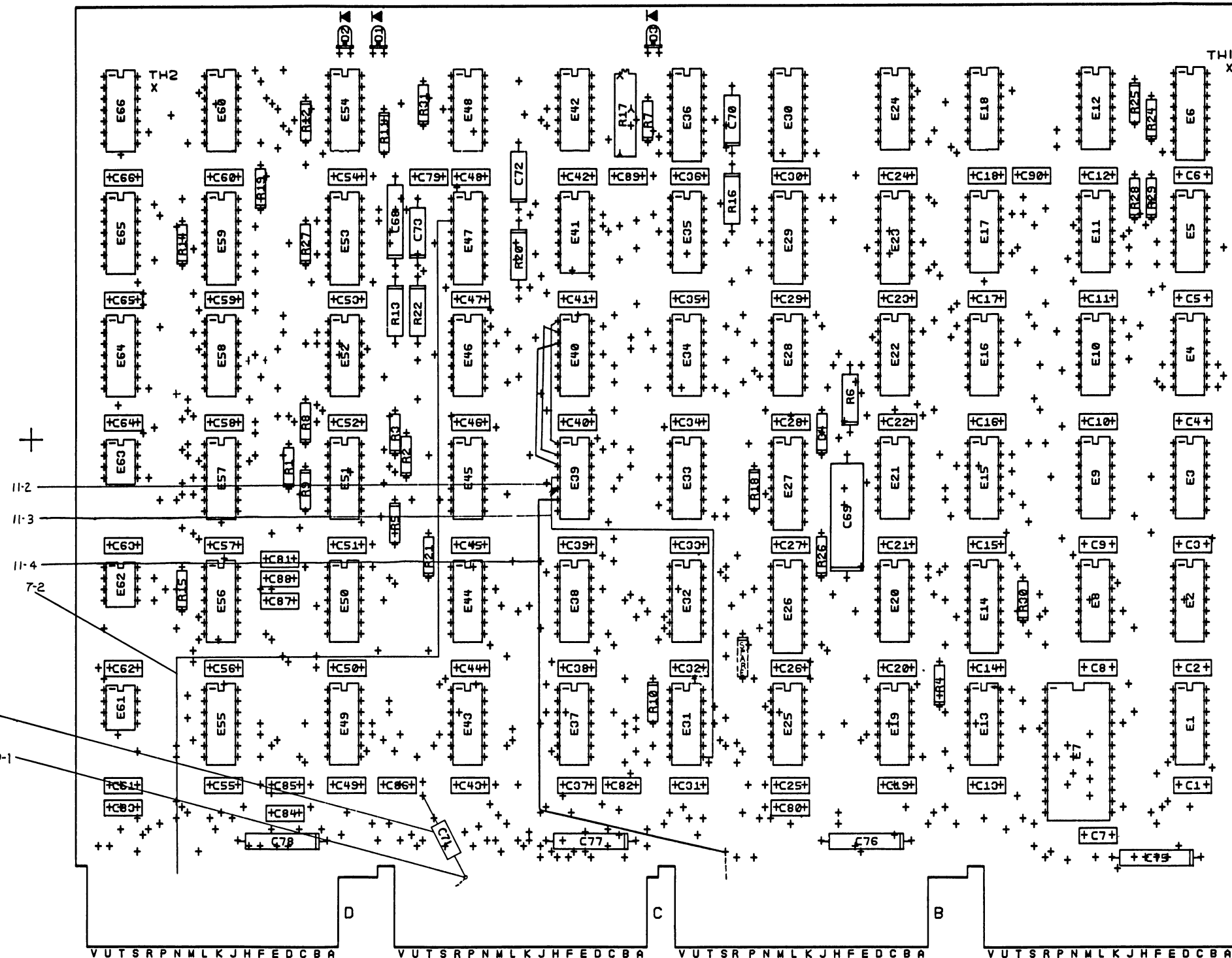
11-1 CUT ETCH SIDE 2 AT BS2 AS SHOWN

WIRE ADDS

11-2 E39-4 TO E39-5

11-3 E39-5 TO E31-8

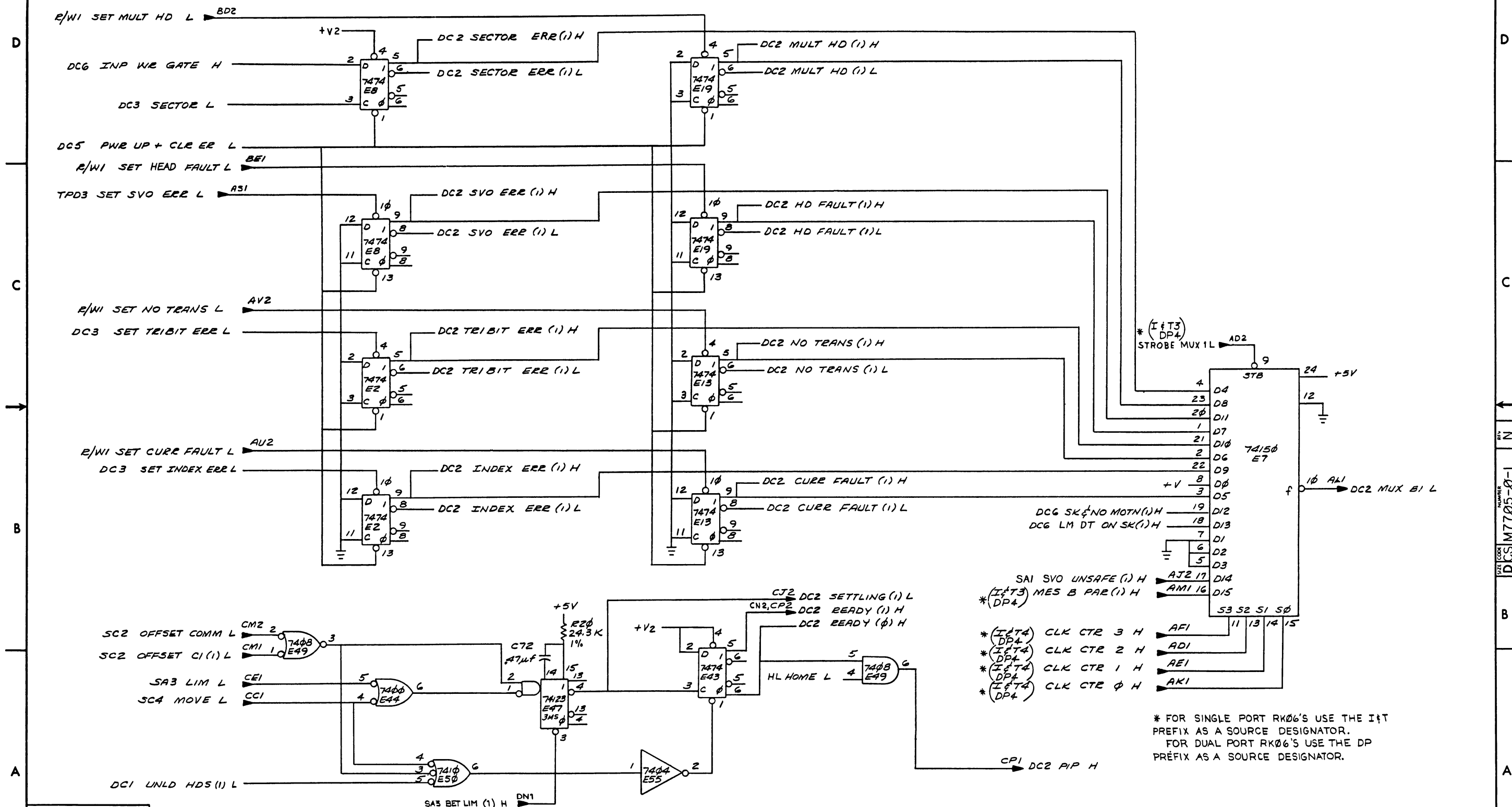
11-4 E39-6 THROUGH FEEDTHROUGH AT BS1 TO BS2



* FOR SINGLE PORT RKØ6'S USE THE IIT
PREFIX AS A SOURCE DESIGNATOR.
FOR DUAL PORT RKØ6'S USE THE DP
PREFIX AS A SOURCE DESIGNATOR.

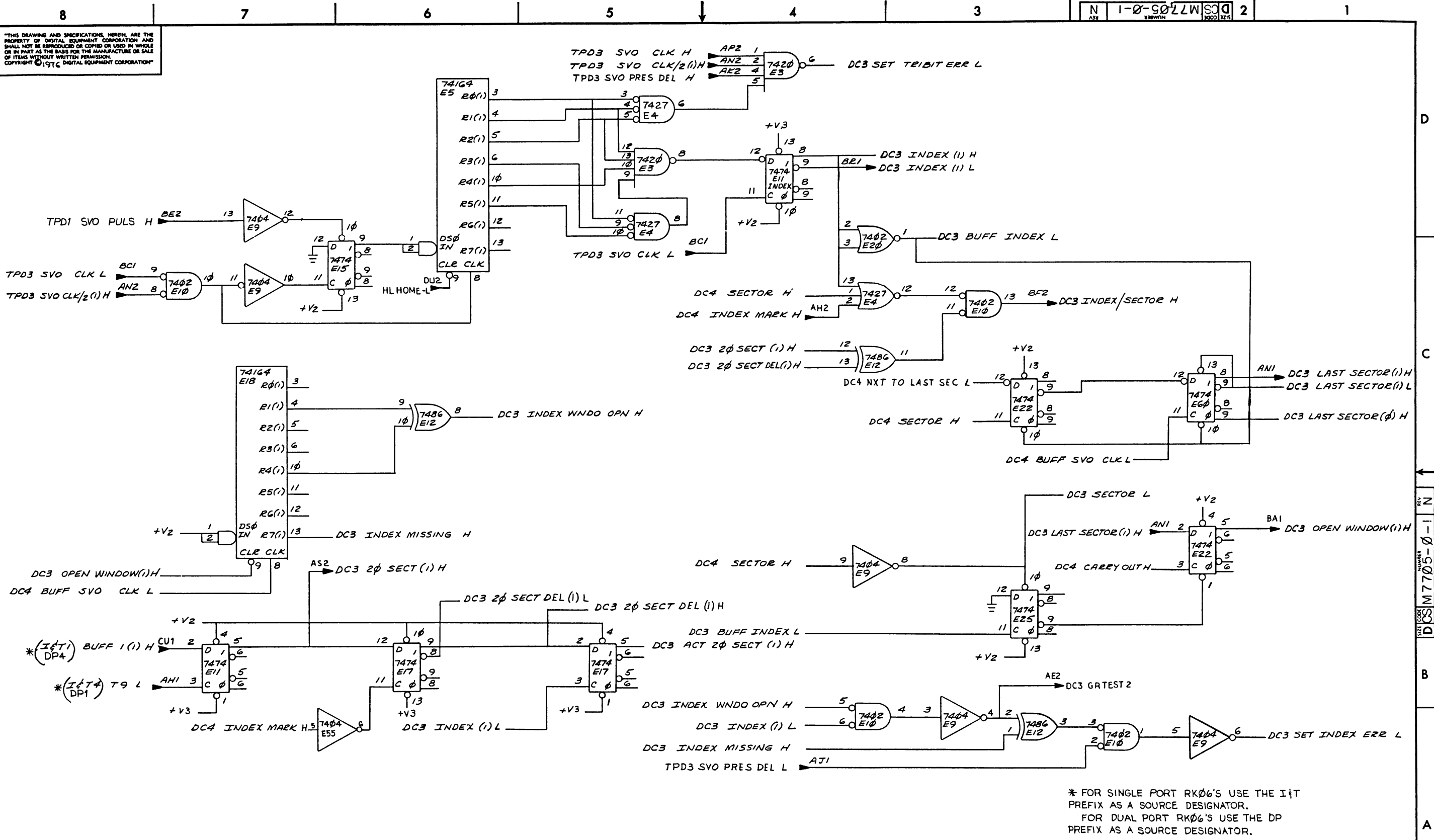
DRN. <u>Donnie Zittel</u>	2/9/76	DATE	2/9/76	DRIVE CONTROL LOGIC C (DCI)
CHK'D <u>[Signature]</u>	10 MAR 76	TIME	10 MAR 76	REV. N
ENG. <u>[Signature]</u>	23 MAR 76	SIZE	CS	
PROJ. ENG. <u>[Signature]</u>	23 MAR 76	CODE	M7705-0-1	
PROD. <u>[Signature]</u>	27 MAR 76	NUMBER		
NEXT HIGHER ASSY.		REV.		
D U.A. M7705-0-0				
SCALE <u>1</u>				
SHEET <u>1</u> OF <u>2</u>				

"THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION
COPYRIGHT © 1977 DIGITAL EQUIPMENT CORPORATION"



REVISIONS		
CHK	CHANGE NO	REV

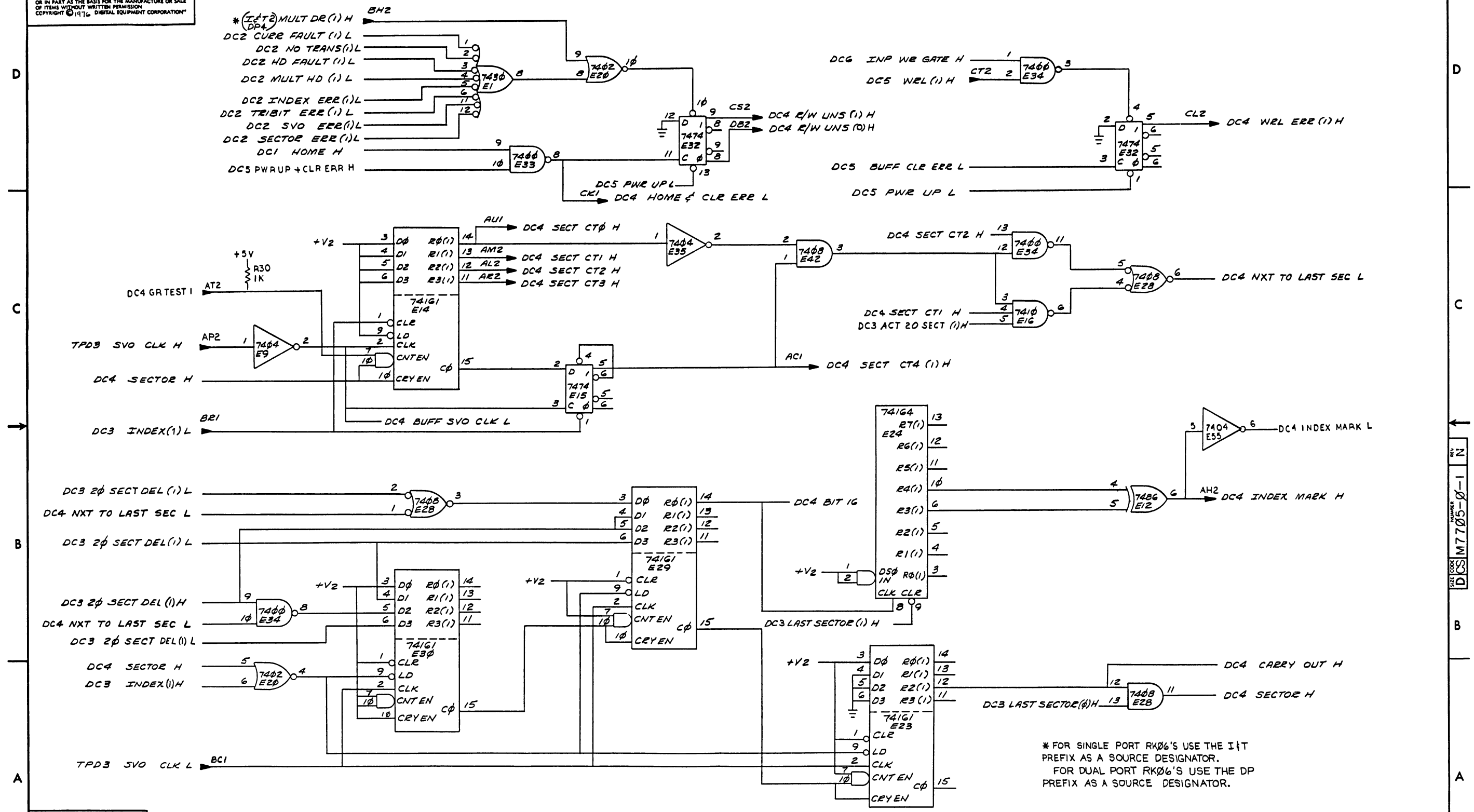
"THIS DRAWING AND SPECIFICATIONS HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION.
COPYRIGHT © 1976 DIGITAL EQUIPMENT CORPORATION"



* FOR SINGLE PORT RKØ6'S USE THE IØT
PREFIX AS A SOURCE DESIGNATOR.
FOR DUAL PORT RKØ6'S USE THE DP
PREFIX AS A SOURCE DESIGNATOR.

REVISIONS		
CHK	CHANGE NO	REV

"THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1976 DIGITAL EQUIPMENT CORPORATION"



* FOR SINGLE PORT RK06'S USE THE I+T PREFIX AS A SOURCE DESIGNATOR.
FOR DUAL PORT RK06'S USE THE DP PREFIX AS A SOURCE DESIGNATOR.

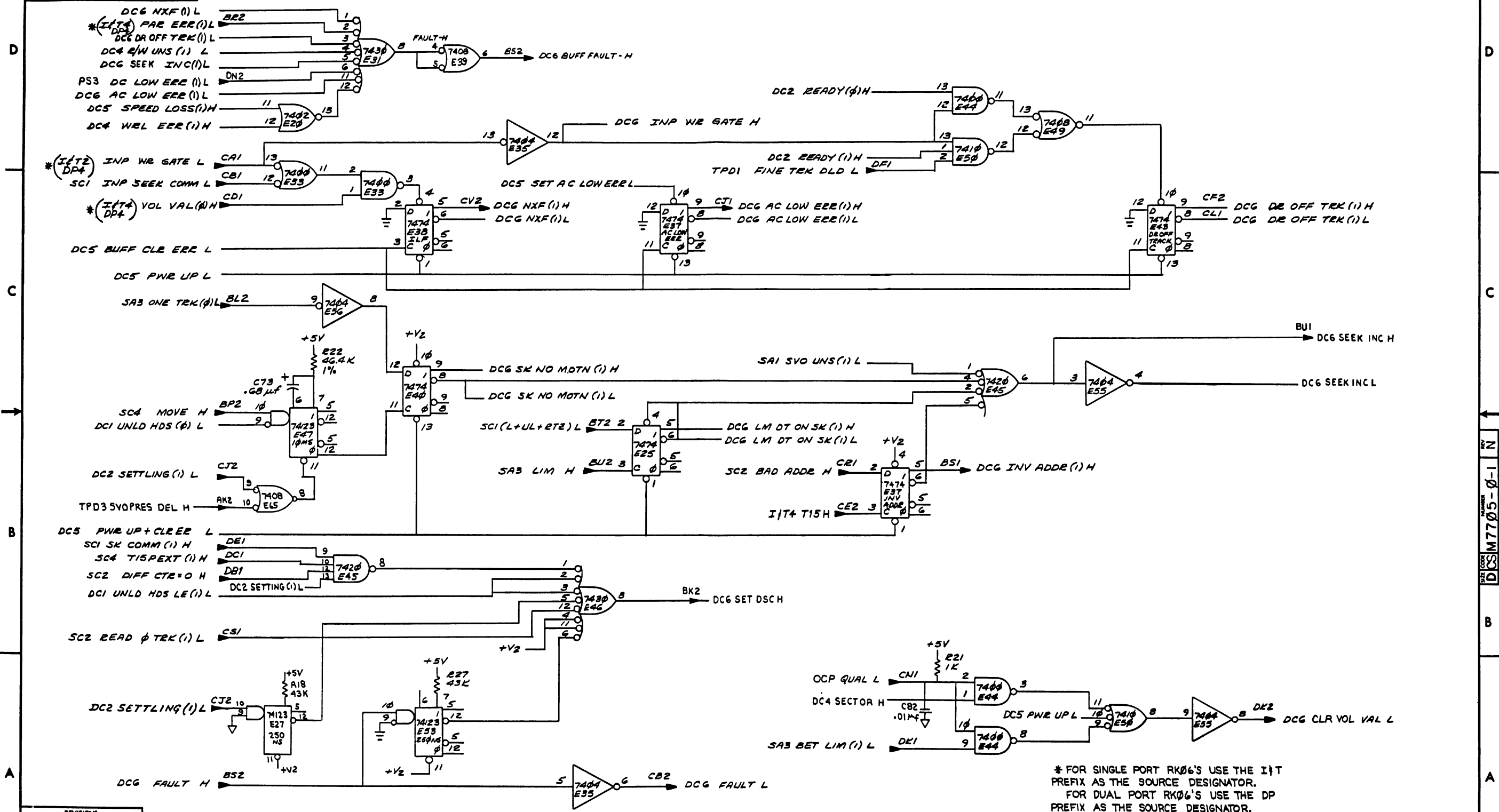
○

**B**

A

TITLE (DC5)		SIZE	CODE	NUMBER		REV.
DRIVE CONTROL LOGIC		D	CS	M77Ø5-Ø-1		N
SCALE $\frac{1}{1}$	SHEET 5 OF 6	DIST.				

THIS DRAWING AND SPECIFICATIONS HEREIN ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1976



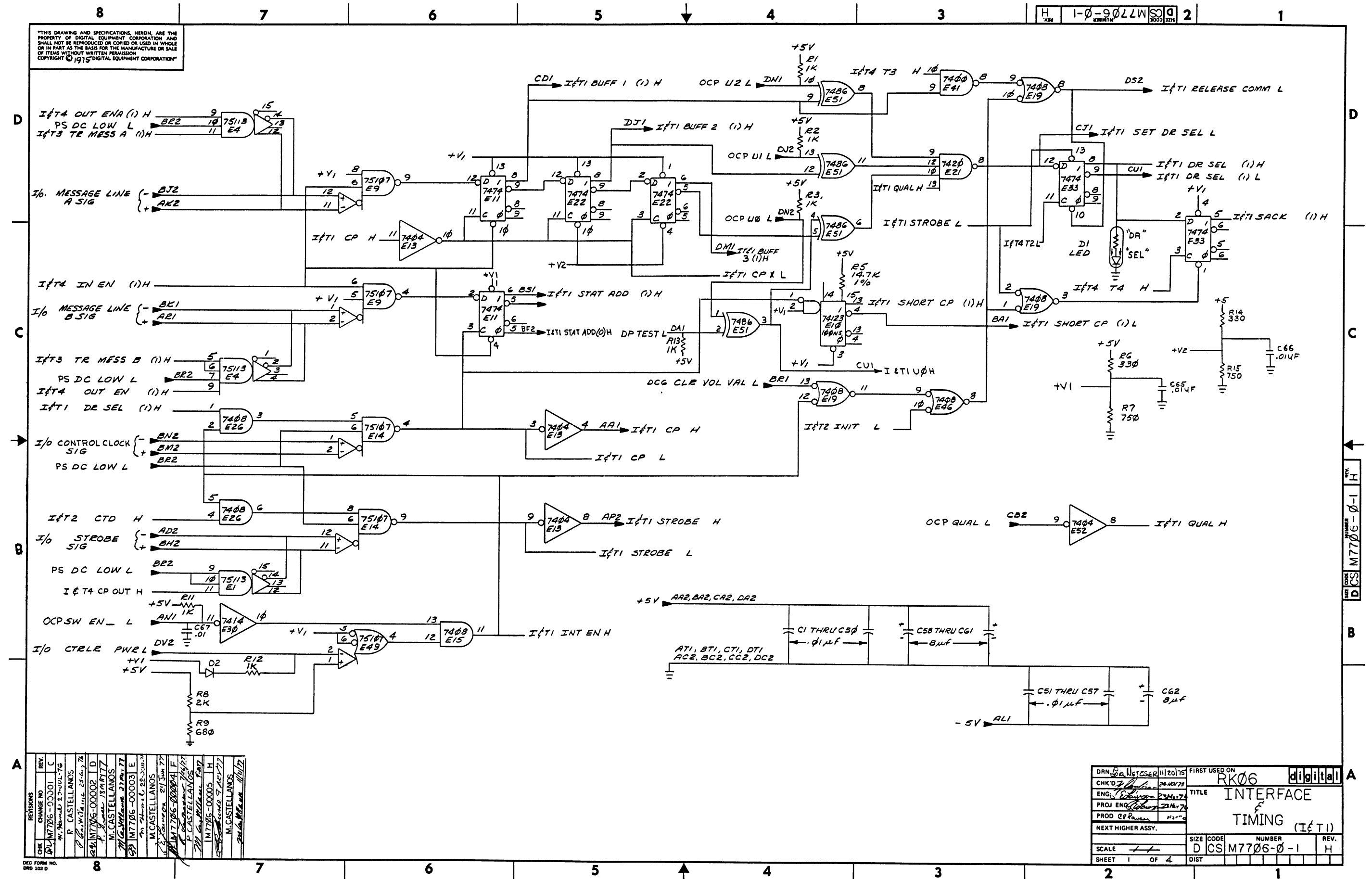
* FOR SINGLE PORT RK06'S USE THE I/T
PREFIX AS THE SOURCE DESIGNATOR.
FOR DUAL PORT RK06'S USE THE DP
PREFIX AS THE SOURCE DESIGNATOR.

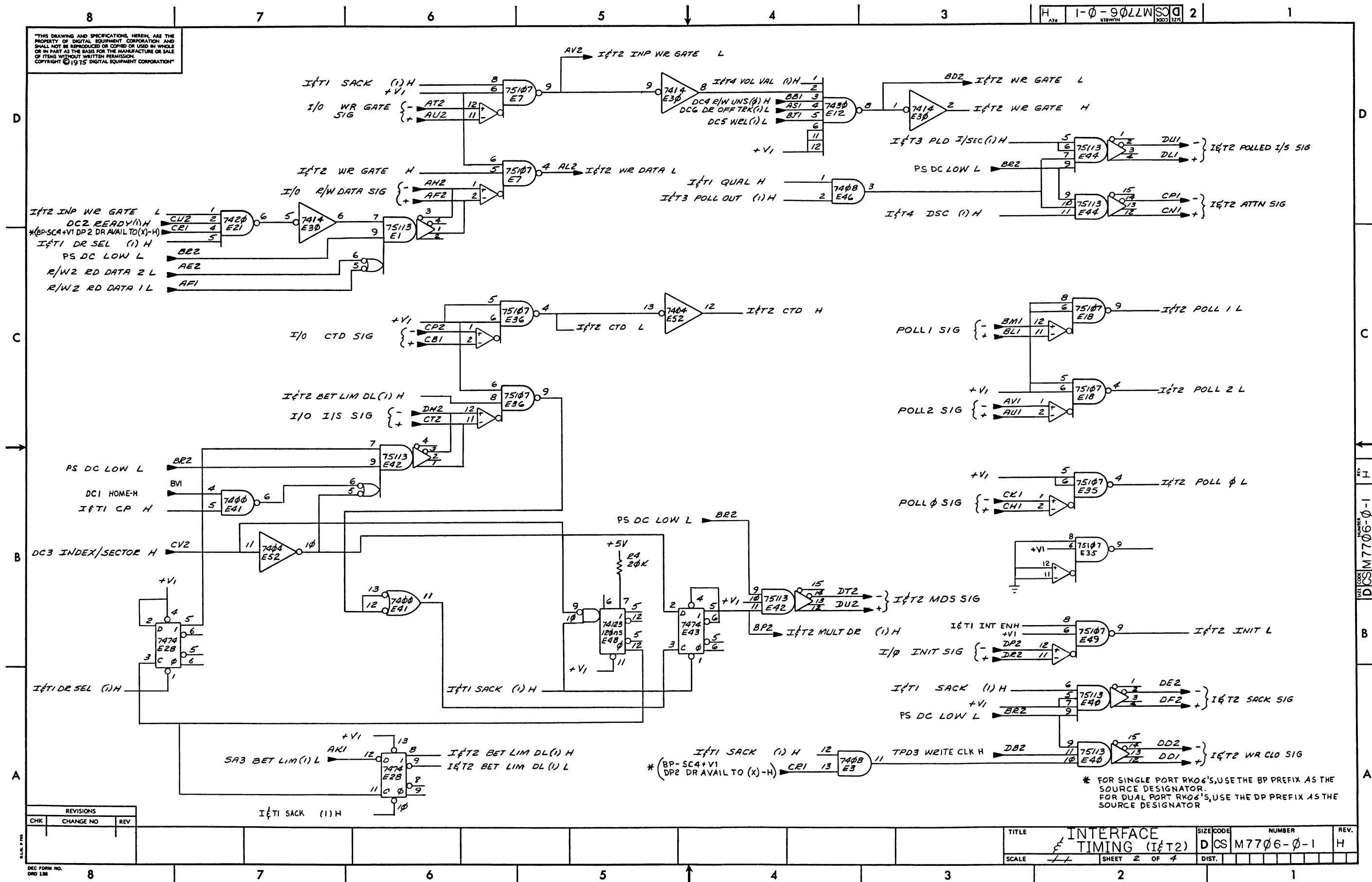
REVISIONS			TITLE		SIZE CODE		NUMBER		REV.	
CHK	CHANGE NO.	REV	DRIVE CONTROL LOGIC (DC6)		DCS		M7705-0-1		N	
DEC FORM NO. 130			SCALE		SHEET 6 OF 6		DST.			

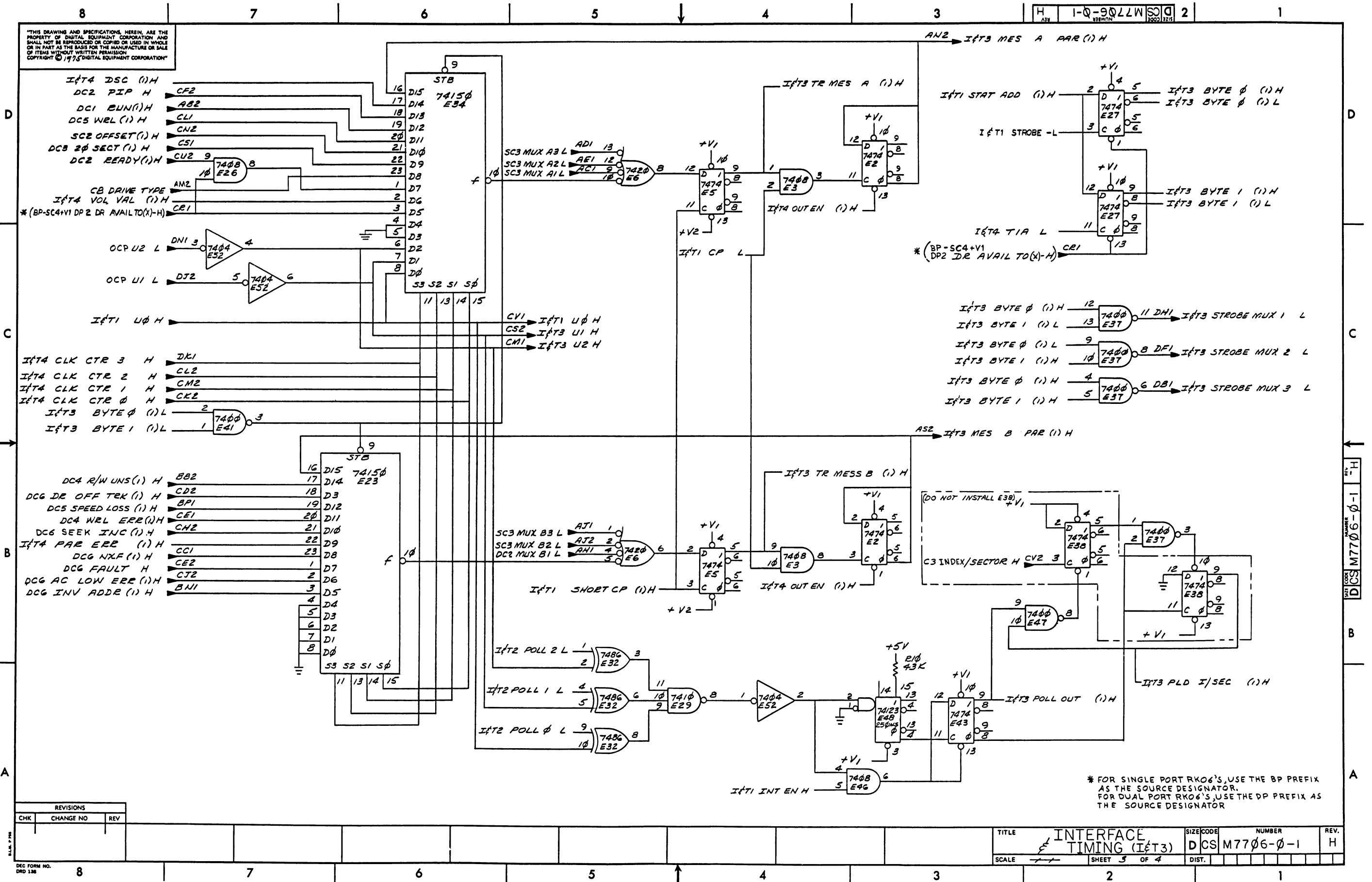
LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY	REFERENCE DESIGNATOR
30	30		1910041-00	DEC 74164 SHIFT REG.,8BIT SEPI	3	E5,E18,E24
31	31		1910153-00	DEC 74150 MUX 1 OF 16	1	E7
32	32		1910155-00	DEC 7408 AND GATE,POS.QUAD 2I	5	E28,E42,E49,E65,E39
33	33		1910091-00	DEC 7437 NAND GATE-QUAD 2IN,B	1	E41
34	34		1910645-00	75452 DRIVER,PERIPH,DUAL,	3	E61,E62,E63
35	35		1910011-00	DEC 7486 X-OR GATE-QUAD 2INPU	1	E12
36	36		1910436-00	DEC 74123 ONE SHOT-DUAL,RETRIG	7	E6,E26,E27,E36,E47,E53,E59
37	37		1910650-00	74161 COUNTER,SYNCHR. UP	4	E14,E23,E29,E30
38	38		1910878-00	7427 NOR GATE-TRIPLE 3IN	1	E4
39	39		1911324-00	7414 INVERTER,HEX 1IN SCH	2	E51,E56
40	40		9000024-01	EYELET, ROLLED FLANGE, .121 OD X	8	
41	41		1213113-01	HANDLE,MODULE,	1	
42	42		1009964-00	.68 MFD 35V 10% 150D S.TA	1	C73
43	43		9105740-55	WIRE(WRAP)30AWG UL1423	A/R	
44	44		1105275-00	D 672 TR= 15NS PIV= 60V SI	1	D4
45	45		1005572-00	150 MFD 6V 20% 150D S.TA	1	C69
46	46		1002476-00	510.0 MMF 100V 50200PPM DM15S	1	C71
47	47		9107256-00	TUBING,THIN WALL,.027ID UL	A/R	

48 NOTE: ITEM #39: USE ONLY FAIRCHILD AND T.I. PARTS.

D	I	G	I	T	A	L	TITLE	DRIVE CONTROL LOGIC	SECTION 1 OF 1	SIZE	CODE	DOCUMENT NUMBER	REV
										K	PL	M7705-0-DRP	N





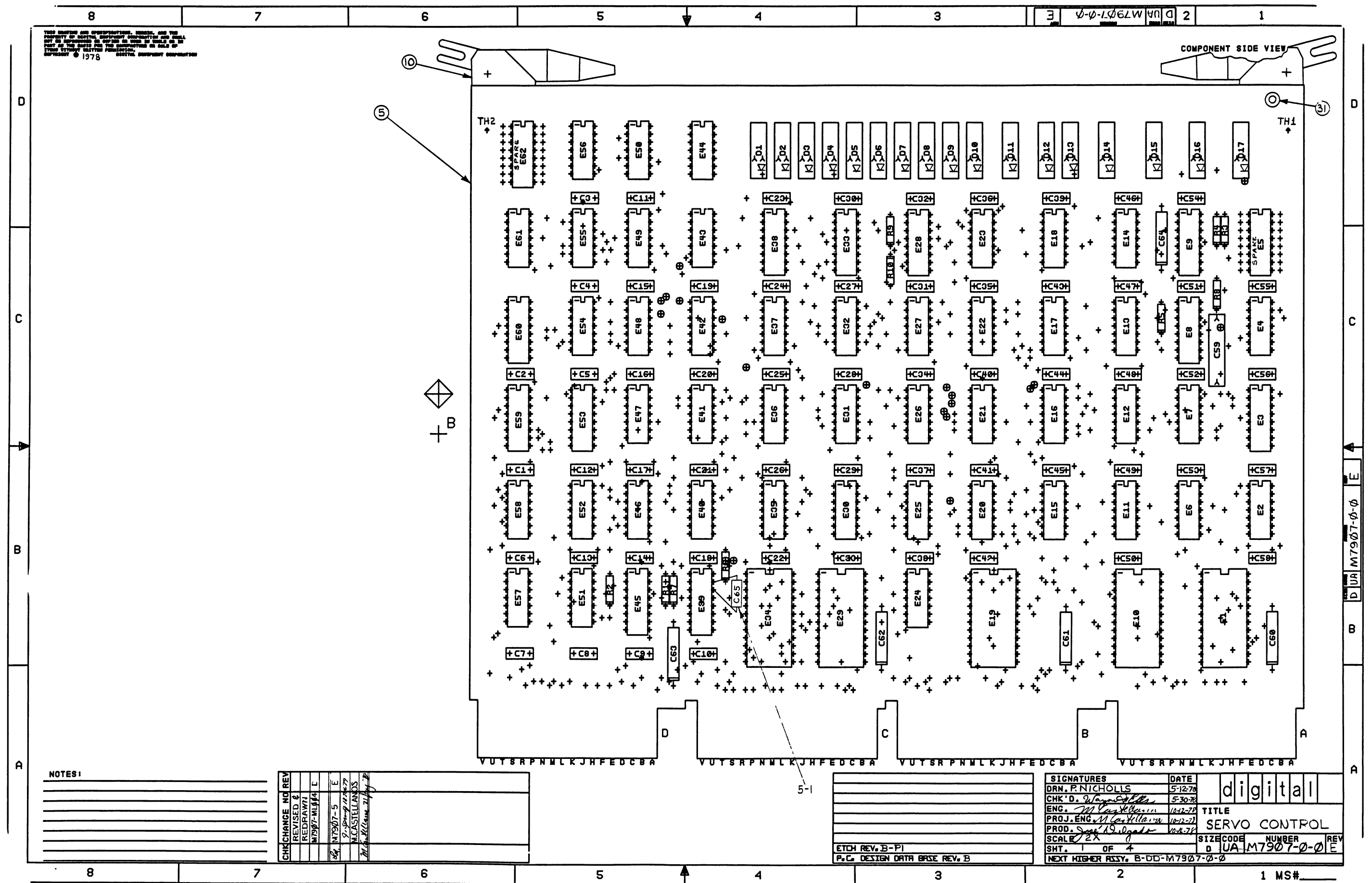


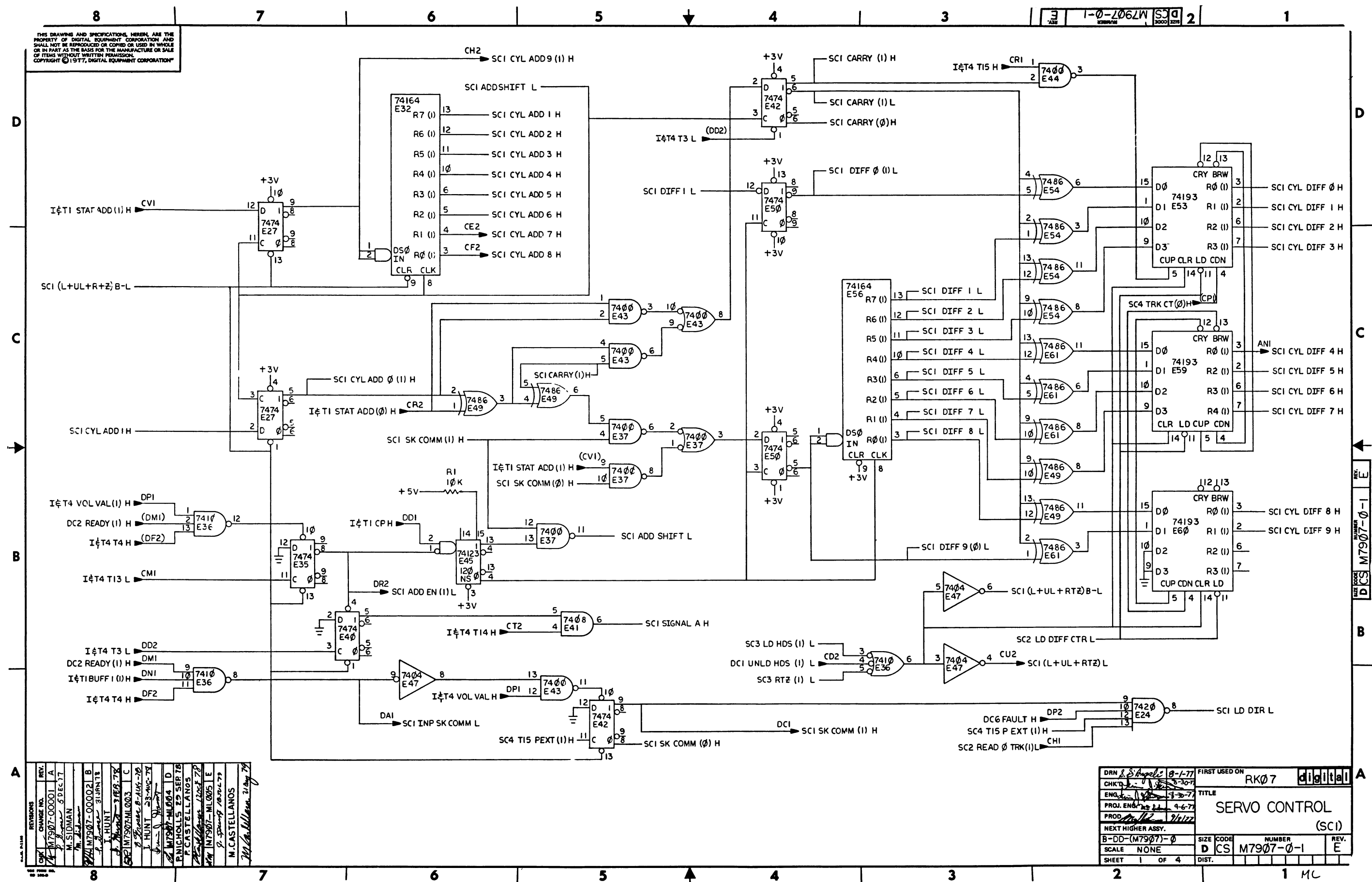
* FOR SINGLE PORT RK06'S, USE THE BP PREFIX AS A SOURCE DESIGNATOR.
FOR DUAL PORT RK06'S USE THE DP PREFIX AS A SOURCE DESIGNATOR.
(X) REFERS TO THE I & T BOARD IN QUESTION
(Y) REFERS TO THE OTHER PORT
i.e. IF YOUR DEBUGGING I & T BOARD A, X=A, Y=B

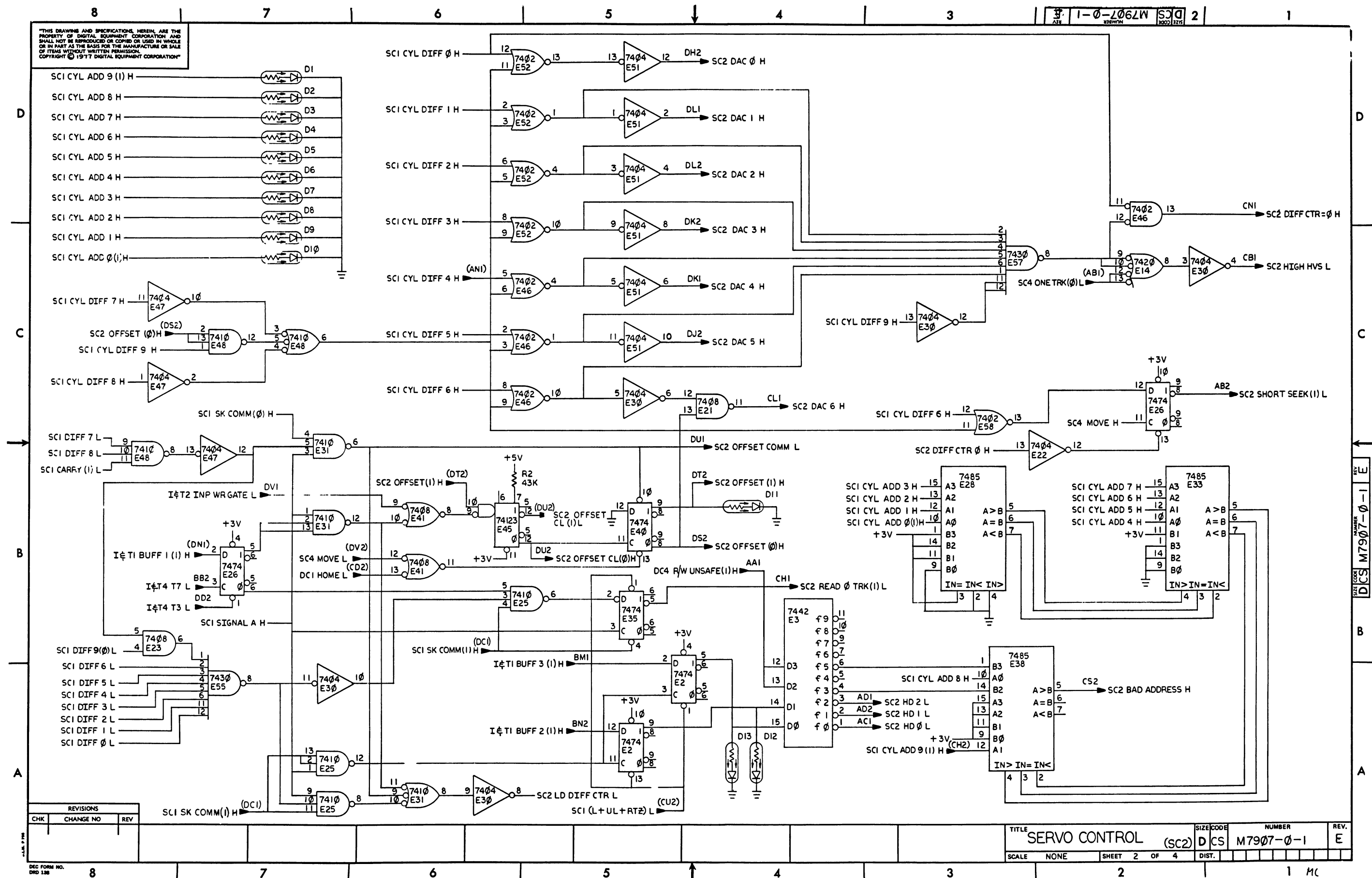
TITLE		INTERFACE TIMING (I _E T4)		SIZE	CODE	NUMBER		REV.
✓				D	CS	M7706-0-1		H
SCALE	✓	SHEET	4	OF	4	DIST.		

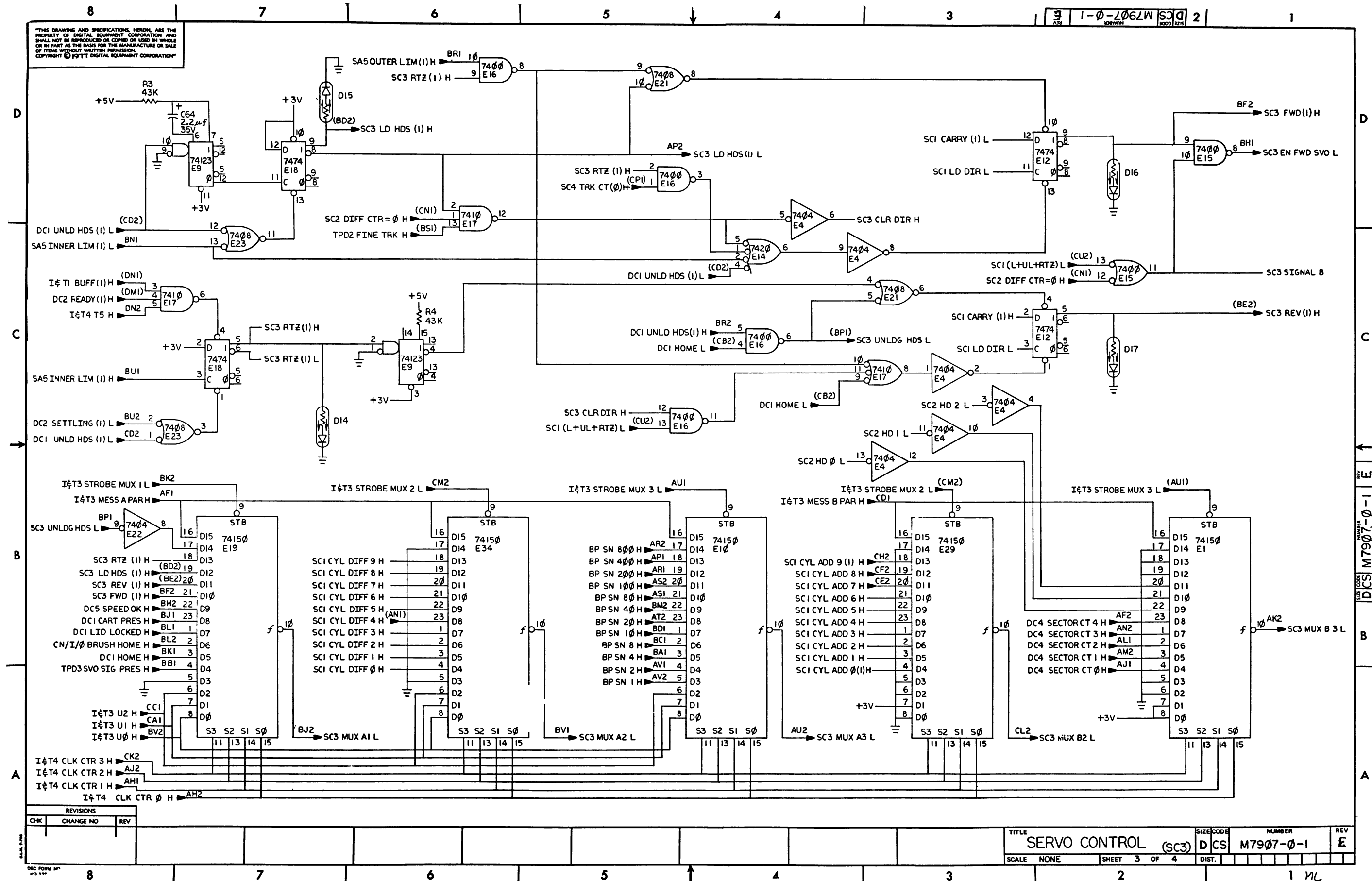
DIGITAL EQUIPMENT CORPORATION					QUANTITY / VARIATION												NOTES:			
PARTS LIST																				
MADE BY L. METZGER		CHECKED H. DARAKJIAN		SECTION																
DATE 10/10/75		DATE 23 FEB 76																		
ENG R.E. LAWSON		PROD C.E. POWELL		ISSUED SECTION																
DATE 23 MAR 76		DATE 23 MAR 76																		
ITEM NO.	DRAWING NO.	PART NO.	DESCRIPTION		REF DESIGNATION															
	D-UA-M7706-0-0		DRILL & ETCH DRAWING		REF															
1	D-CS-M7706-0-1		INTERFACE & TIMING (C.S.)		REF															
2	D-AH-M7706-0-5		ASSY/DRILLING HOLE LAYOUT		REF															
3	B-MH-M7706-0-6		MODULE ECO HISTORY		REF															
4		5011609	ETCHED CIRCUIT BOARD		1															
5		1001610-00	CAP .01UF 50V CER		62												C1 THRU C57, C63 THRU C67			
6		1012084-01	CAP 8UF 25V 10%		5												C58 THRU C62			
7		1112689-00	DIODE LED		1												D1			
8		1105275-00	DIODE D672		1												D2			
9		1301424-00	RES 680 1/4W 5% CC		1												R9			
10		1300295-00	RES 330 1/4W 5% CC		2												R6, R14			
11		1300365-00	RES 1K 1/4W 5% CC		5												R1, R2, R3, R12, R13			
12		1302941-00	RES 14.7K 1/4W 1% MF		1												R5			
13		1301401-00	RES 750 1/4W 5% CC		2												R7, R15			
14		1304838-00	RES 43K 1/4W 5% CC		1												R10			
15		1302391-00	RES 20K 1/4W 5% CC		1												R4			
16		1302388-00	RES 2K 1/4W 5% CC		2												R8, R11			
17		1905547-00	IC 7474		13												E2, E5, E8, E11, E16, E20, E22, E24, E27, E28, E31, E33, E43			
18		1905575-00	IC 7400		4												E25, E37, E41, E47			
19		1905576-00	IC 7410		2												E29, E50			
E.C.O.NO.	0001	0002	0003	0004	0005															
"THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © DIGITAL EQUIPMENT CORPORATION"					TITLE INTERFACE & TIMING					ASSY NO. D-UA-M7706-0-0			SIZE B	CODE PL	NUMBER M7706-0-0			REV. H		
										SHEET 1 OF 2			INSERTION PARTS LIST DATA BASE REV							

DIGITAL EQUIPMENT CORPORATION PARTS LIST				QUANTITY / VARIATION												NOTES:			
MADE BY L. METZGER DATE 10/10/75		CHECKED H. DARAKJIAN DATE 23 FEB 76		SECTION															
ENG R.E. LAWSON DATE 23 MAR 76		PROD C.E. POWELL DATE 23 MAR 76		ISSUED SECTION															
ITEM NO.	DRAWING NO.	PART NO.	DESCRIPTION														REF DESIGNATION		
20		1905577-00	IC 7420	2													E6, E21		
21		1905578-00	IC 7430	1													E12		
22		1909054-00	IC 7493	1													E17		
23		1909686-00	IC 7404	3													E13, E45, E52		
24		1909701-00	IC 74154	1													E39		
25		1910011-00	IC 7486	2													E32, E51		
26		1910153-00	IC 74150	2													E23, E34		
27		1910155-00	IC 7408	5													E3, E15, E19, E26, E46		
28		1910268-00	IC 75107B	7													E7, E9, E14, E18, E35, E36, E49		
29		1910436-00	IC74123	2													E10, E48		
30		1911341-00	IC 75113	5													E1, E4, E40, E42, E44		
31		1213113-01	HANDLE QUAD BOARD	1															
32		7413826-1	HANDLE ASSY QUAD BOARD (RIGHT)	1															
33		9000024-01	EYELET	8															
34		9105740-55	WIRE #30 AWG GRN	A/R															
35		1911324-00	IC 7414	1															
ECO. NO.																			
THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © DIGITAL EQUIPMENT CORPORATION"				TITLE INTERFACE & TIMING				ASSY NO. D-UA-M7706-0-0				SIZE B		CODE PL		NUMBER M7706-0-0		REV. H	
								SHEET 2 OF 2				INSERTION PARTS LIST DATA BASE REV							









REV	NUMBER	SIZE CODE	2
-----	--------	-----------	---



TITLE SERVO CONTROL (SC4)				SIZE CODE D CS		NUMBER M7907-0-1				REV. E	
SCALE NONE		SHEET 4 OF 4		DIST.							

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION 00	REFERENCE DESIGNATOR
1	1	D-CS-M7907-0-1		CIRCUIT SCHEMATIC	REF	
2	2	D-UA-M7907-0-0		UNIT ASSY	REF	
3	3	B-DD-M7907-0-0		DRAWING DIRECTORY	REF	
4	4	D-MD-5012765-0-0		DRILL & ETCH DWG.	REF	
5	5		5012765-00	M7907	1	
6	6		1001610-01	.01 MFD 100V -20+80 Z5U DISC	58	C1-C58
7	7		1012084-01	8 MFD 25V 6% 30D AL EL	4	C60-C63
8	8		1002431-00	2.2MFD 35V 10% 150S S.TA	1	C64
9	9		1112689-00	LED .8MCD@16MA VF=5V	17	D1-D17
10	10		1213113-01	HANDLE,MODULE,	1	
11	11		1300295-00	330 1/4W 5% CC	1	R9
12	12		1301401-00	750 1/4W 5% CC	1	R10
13	13		1303045-00	3.16 K 1/4W 1% RN55D-F 100PPM	1	R8
14	14		1300479-00	10 K 1/4W 5% CC	1	R1
15	15		1304838-00	43 K 1/4W 5% CC	6	R2-R7
16	16		1905547-00	7474 FF-D DUAL,EDGE TRIGG	11	E2,E12,E13,E18,E26,E27,E35,E40, E42,E50,E7
17	17		1905575-00	7400 NAND GATE-QUAD 2IN	7	E11,E15,E16,E20,E37,E43,E44
18	18		1905577-00	7420 NAND GATE-DUAL 4INPU	2	E14,E24
19	19		1905578-00	7430 NAND GATE-SINGLE 8IN	2	E55,E57
20	20		1909004-00	DEC 7402 NOR GATE-QUAD 2IN	3	E46,E52,E58
21	21		1909686-00	7404 INVERTER GATE-HEX 1I	5	E4,E22,E30,E47,E51
22	22		1910011-00	DEC 7486 X-OR GATE-QUAD 2INPU	3	E49,E54,E61
23	23		1910018-00	DEC 74193 COUNTER,SYNCHR. UP/D	3	E53,E59,E60
24	24		1910041-00	DEC 74164 SHIFT REG.,8BIT SERI	2	E32,E56
25	25		1910046-00	7442 DECODER-1 OF 10,BCD	1	E3
26	26		1910153-00	DEC 74150 MUX 1 OF 16	5	E1,E10,E19,E29,E34
27	27		1910155-00	DEC 7408 AND GATE,POS,QUAD 2I	3	E21,E23,E41
28	28		1910436-00	DEC 74123 ONE SHOT-DUAL,RETRIG	4	E8,E9,E39,E45
29	29		1910224-00	DEC 7485 COMPARATOR-4BIT	3	E28,E33,E38

REVISION HISTORY			BASIC PART NO: M7907		DRN: R.WALDIE	DATE: 31-JAN-78	DIGITAL			
ENG	ECO NUMBER	REV	SECTION A OF A				TITLE PARTS LIST			
W.H	00002	B	SECTION VARIATION INDEX		CHK'D: C.BEVERLIE	DATE: 31-JAN-78	SERVO CONTROL			
E.R	ML003	C	[A] 00							
C.L	ML004	D	[B]							
MC	M7907-ML005	E	[C]		DES.ENG: M.D.SIDMAN	DATE: 31-JAN-78				
			[D]				DOCUMENT NUMBER			
			[E]							
			[F]		RESP.ENG.: M.D.SIDMAN	DATE: 31-JAN-78				
			[H]				SIZE	CODE	NUMBER	REV
			[J]							
			[K]		MFG.ENG.: M.D.SIDMAN	DATE: 31-JAN-78	K	PL	M7907-0-DBP	E
			[L]							
			[M]		ASSEMBLY NUMBER:	TOP DOCUMENT NUMBER:	FILE NAME:		EDIT #:	
			[N]		D-UA-M7907-0-0	OPTION/MODEL RK07	Z0768E.PLS		13	

*THIS DRAWING AND SPECIFICATIONS HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION.
COPYRIGHT (C) 1979. DIGITAL EQUIPMENT CORPORATION *

AUTOMATED BY PRTLST.1D(7)

PARTS LIST

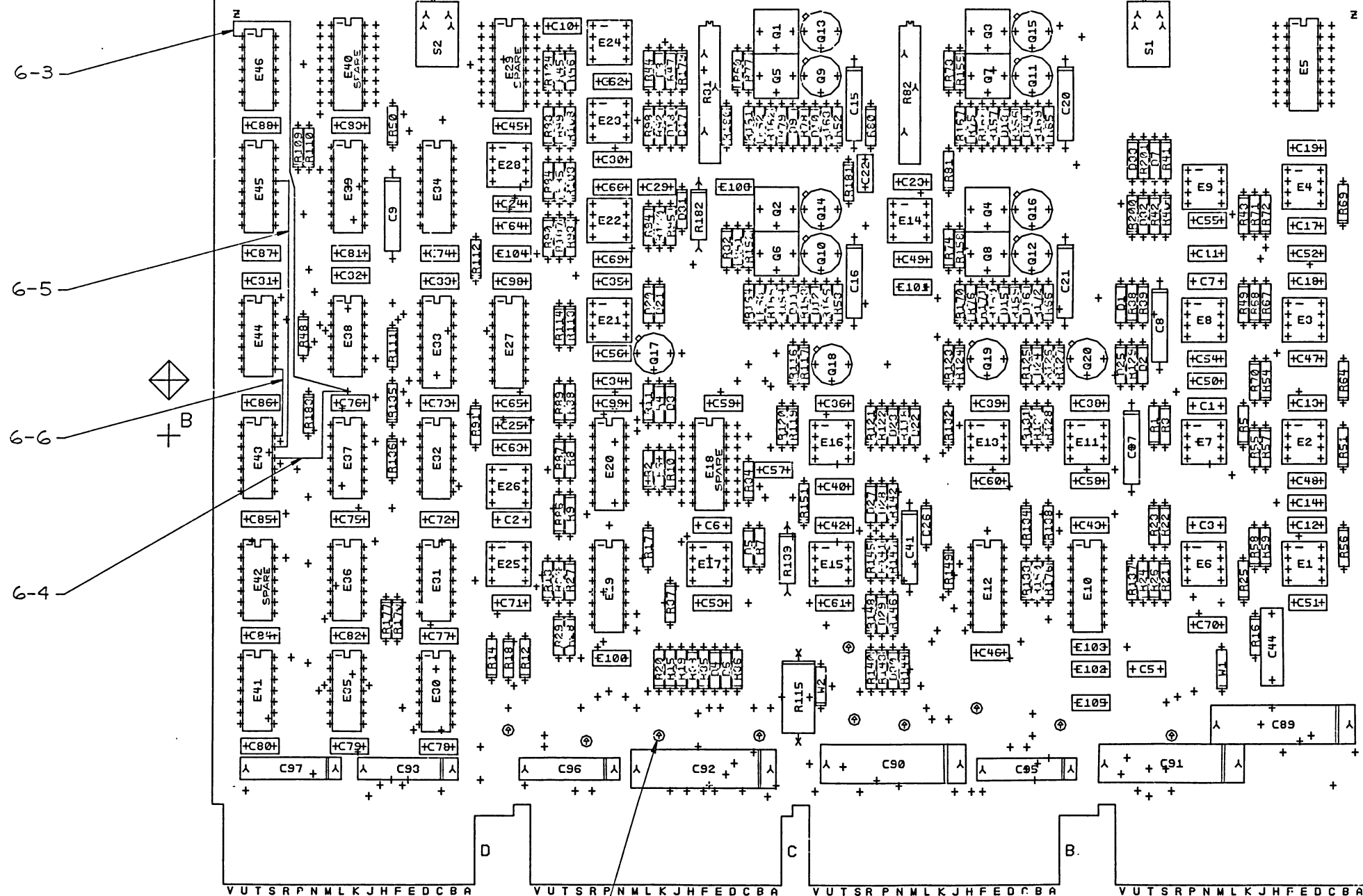
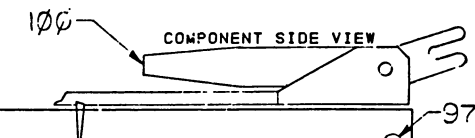
SHEET A2 OF A2

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION 00	REFERENCE DESIGNATOR
30	30		9105740-55	*** THIS ITEM IS NOT USED ***	-	
31	31		9000024-01	EYELET, ROLLED FLANGE, .121 OD X	8	
32	32		9107256-11	*** THIS ITEM IS NOT USED ***	-	
33	33		1005784-00	.01 MFD 100V 10% 663VW MYLR	1	C59
34	34		1905576-00	7410 NAND GATE-TRIPLE 3IN	6	E6,E17,E25,E31,E36,E48
35	35		1000006-00	10.0 MMF 100V 5%200PPM DM15S	1	
36	36		9107256-09	TUBING,THIN WALL,.027ID UL	1	C65

D	I	G	I	T	A	L	TITLE	SECTION A OF A	SIZE	CODE	DOCUMENT NUMBER	REV
							SERVO CONTROL		K	FL	M7907-0-DBP	E

THIS DRAWING AND SPECIFICATIONS, HEREIN, AND THE
PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL
NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN
PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF
ITEMS WITHOUT WRITTEN PERMISSION.
COPYRIGHT © 1973 DIGITAL EQUIPMENT CORPORATION

2 DUA M7906-0-0 1



NOTES: 1. USE TRANSPADS (ITEM 95)
UNDER Q17 & Q18.

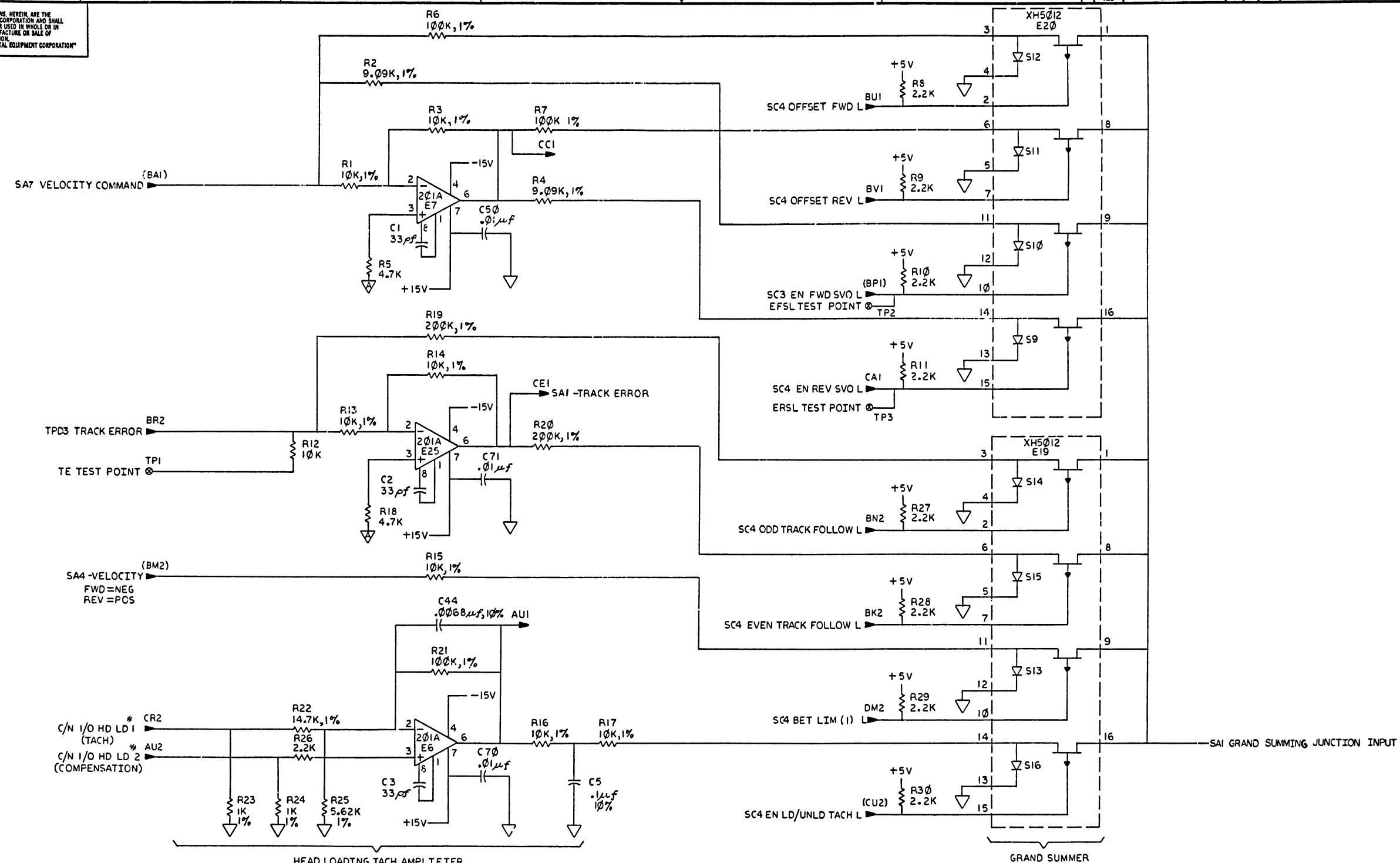
CHK	CHANGE	NO	REV
MLO04	J. CARTER	E	
CASILLANS	1/1/73	F	
W906-MLO06	4/9		
CASILLANS	4/9		
W906-MLO06	4/9		

98
TYP

ETCH REV. C
P.C. DESIGN DATA BASE REV.

SIGNATURES	DATE	digital
DRN. J. CARTER	11-7-73	
CHK'D. 1/1/73	11-7-73	TITLE
ENG. 1/1/73	11-7-73	
PROJ. ENG. 1/1/73	11-7-73	SERVO ANALOG
PROD. MLO04	11-7-73	
SCALE 2/1	11-7-73	SIZE CODE NUMBER REV
SHT. 1 OF 4	11-7-73	
NEXT HIGHER ASSY. B-DD-M7906-0	11-7-73	

THIS DRAWING AND SPECIFICATIONS HEREIN ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION.
COPYRIGHT © 1977, DIGITAL EQUIPMENT CORPORATION

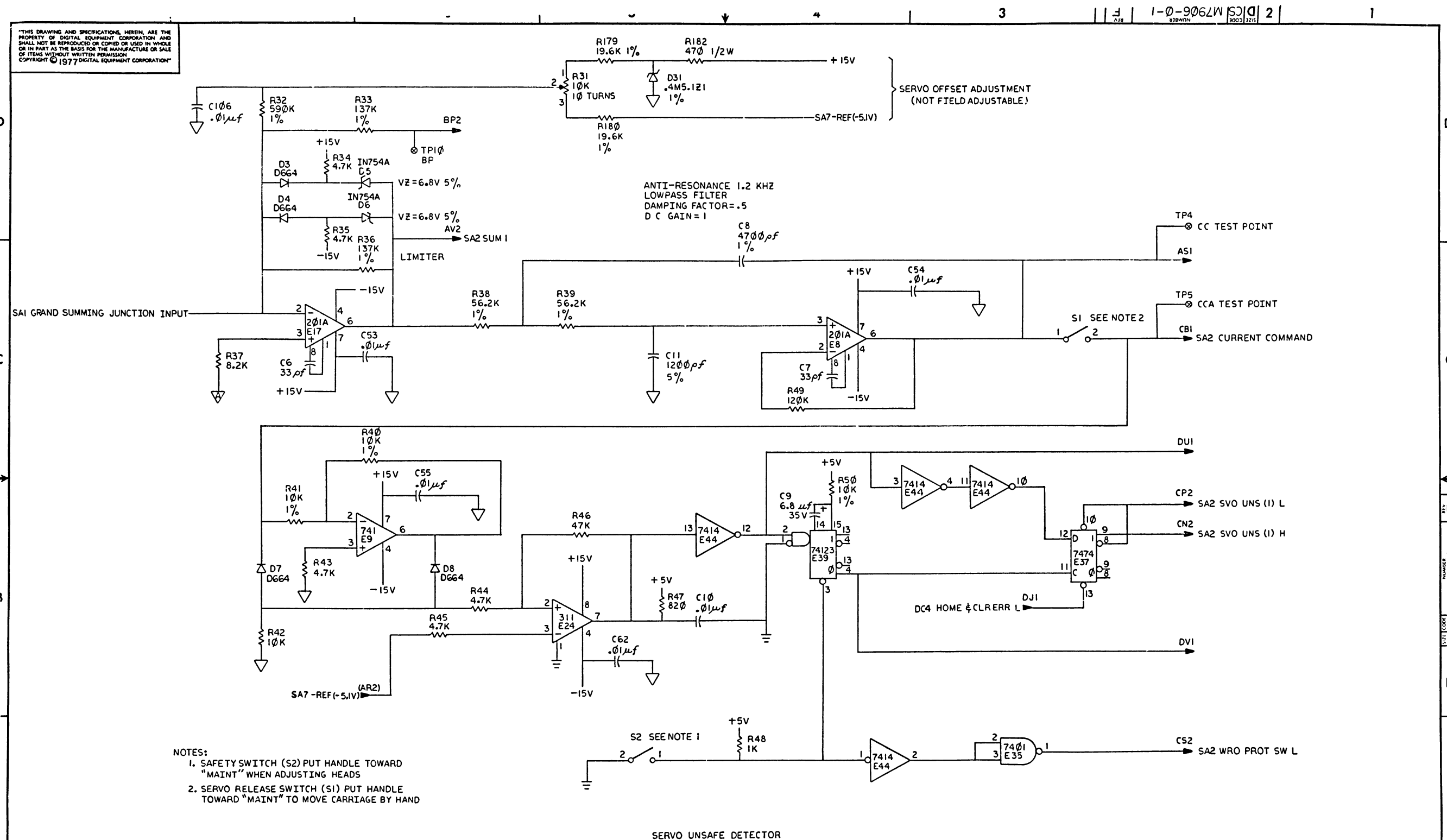


REV.	CHG.	NO.	REV.	DATE	BY	CHK.
1						
2						
3						
4						
5						
6						
7						
8						

DRN. S. GARY	9-15-77	FIRST USED ON	RK07
CHK'D J. A. GARY	9-28-77	TITLE	SERVO ANALOG (SAI)
ENG. J. HUNTER	9-28-77	SCALE	
PROJ. ENG. J. HUNTER	9-28-77	SHEET	OF 7
PROD. J. HUNTER	9-28-77	DIST.	
NEXT HIGHER ASSY.		SIZE	CODE
B-DD-M7906-0		D	CS
SCALE		NUMBER	M7906-0-1
SHEET		REV.	F

DRN. S. GARY	9-15-77	FIRST USED ON	RK07
CHK'D J. A. GARY	9-28-77	TITLE	SERVO ANALOG (SAI)
ENG. J. HUNTER	9-28-77	SCALE	
PROJ. ENG. J. HUNTER	9-28-77	SHEET	OF 7
PROD. J. HUNTER	9-28-77	DIST.	
NEXT HIGHER ASSY.		SIZE	CODE
B-DD-M7906-0		D	CS
SCALE		NUMBER	M7906-0-1
SHEET		REV.	F

THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION.
COPYRIGHT © 1977 DIGITAL EQUIPMENT CORPORATION

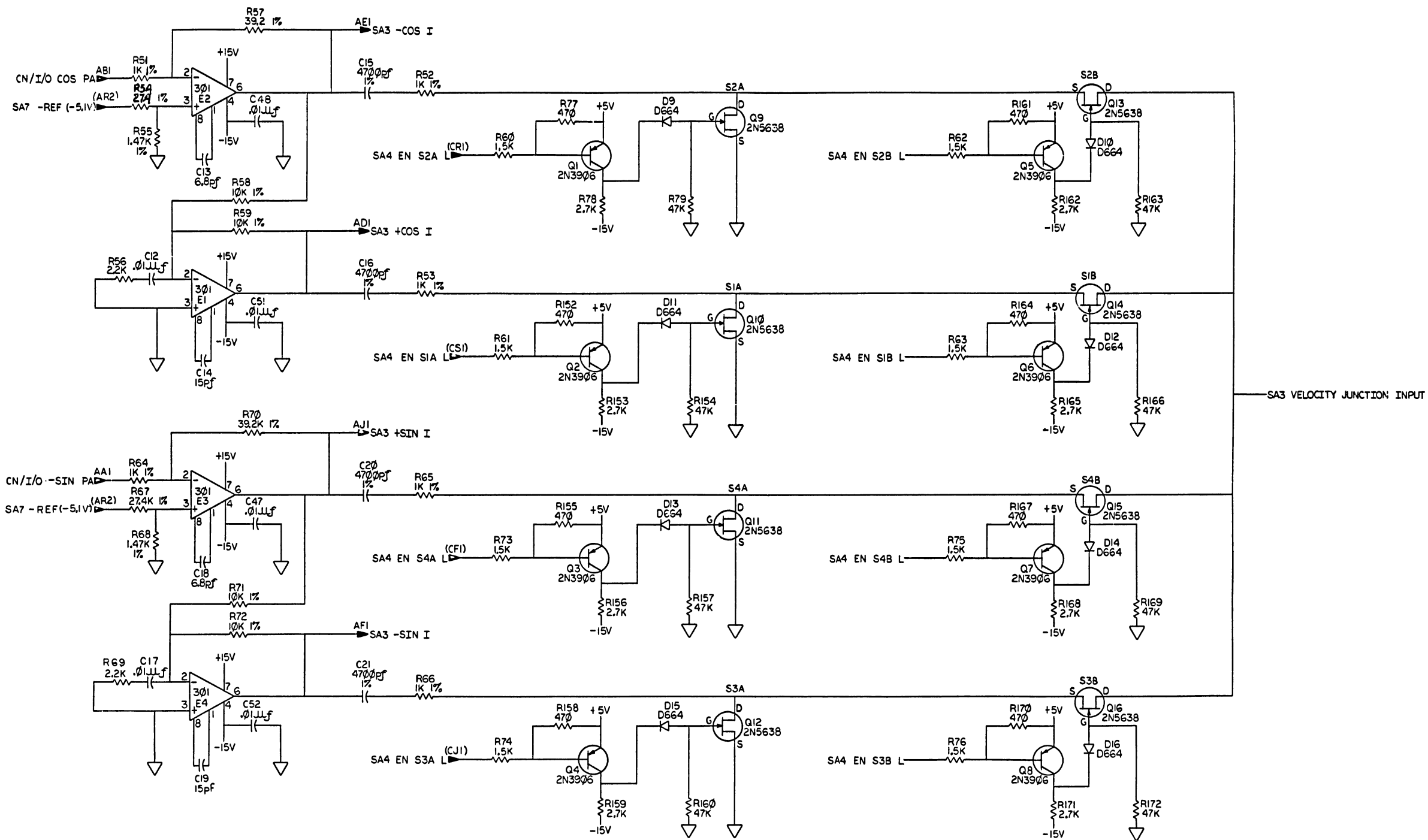


REVISIONS		
CHK	CHANGE NO	REV

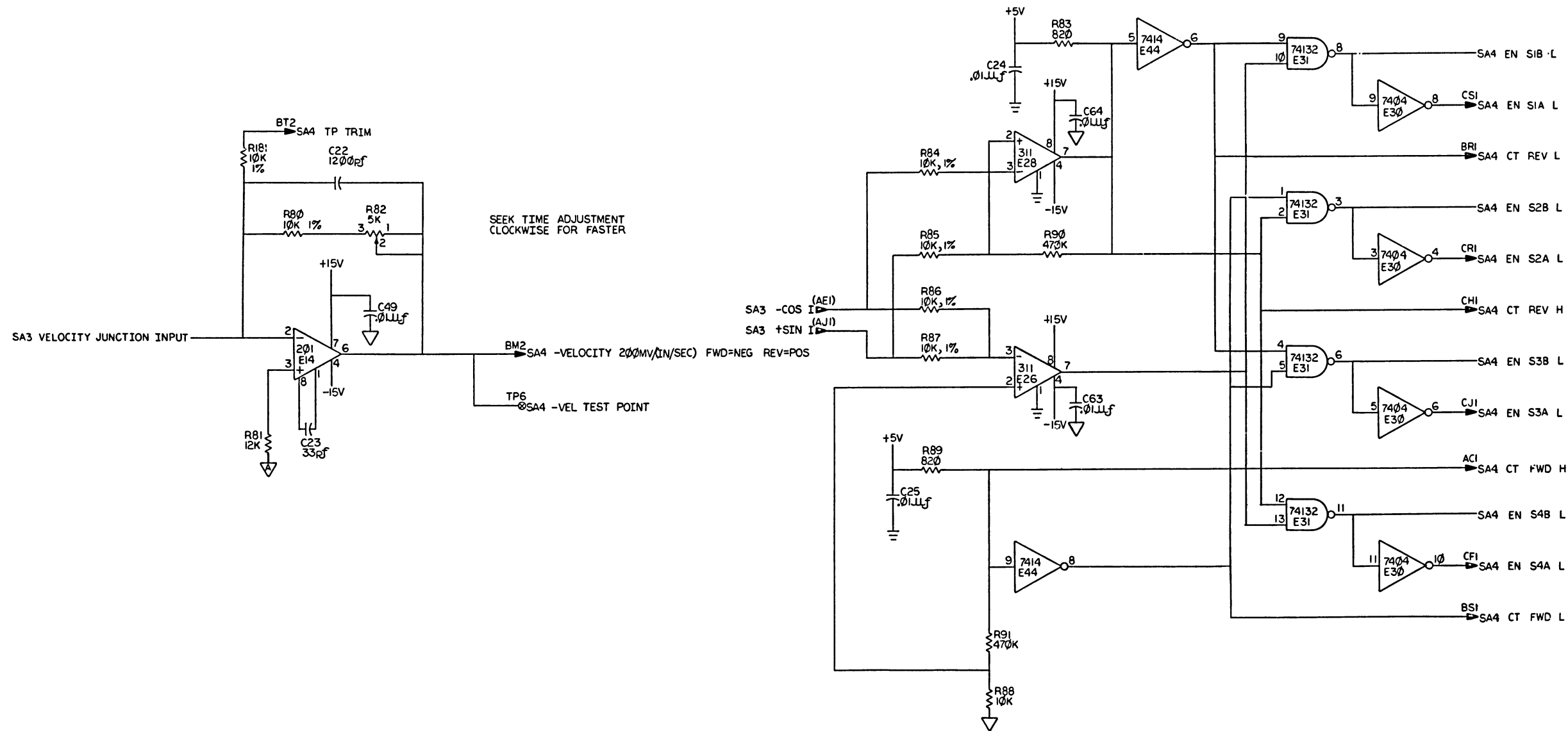
TITLE		SIZE CODE	NUMBER	REV.
SERVO ANALOG (SA2)		D CS	M7906-0-1	F
SCALE	1	SHEET	2 OF 7	DIST.

THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION.
COPYRIGHT © 1977 DIGITAL EQUIPMENT CORPORATION

1-0-9062W SCD 2



THIS DRAWING AND SPECIFICATIONS HEREIN ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION.
COPYRIGHT © 1977 DIGITAL EQUIPMENT CORPORATION

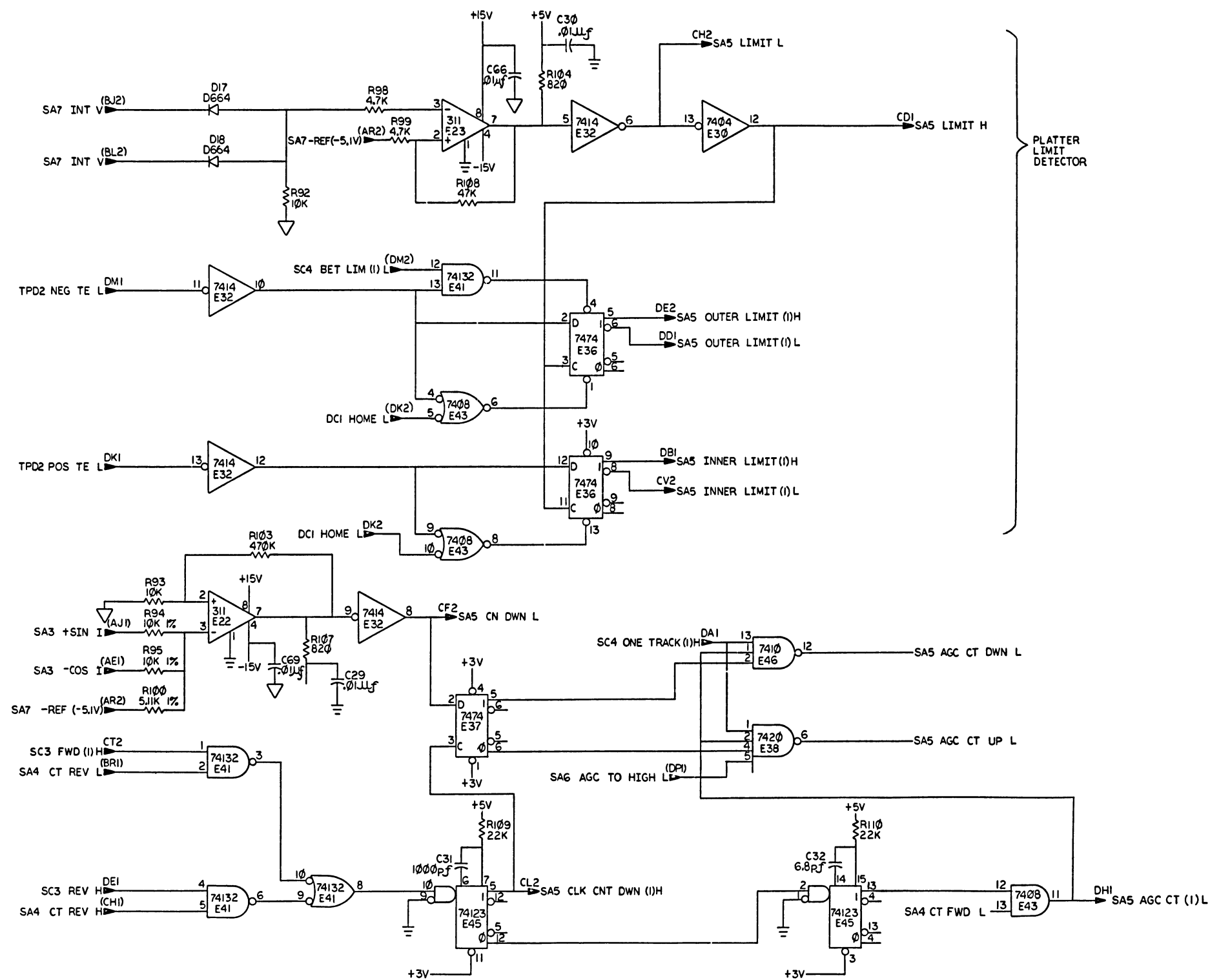


REVISIONS		
CHK	CHANGE NO	REV

DEC FORM NO. 138

TITLE		SIZE CODE	NUMBER	REV.
SERVO ANALOG (SA4)		D CS	M7906-0-1	F
SCALE		SHEET 4 OF 7		DIST.

A B C D
 SIZE CODE NUMBER REV.
 100 M79MG-0-1 F

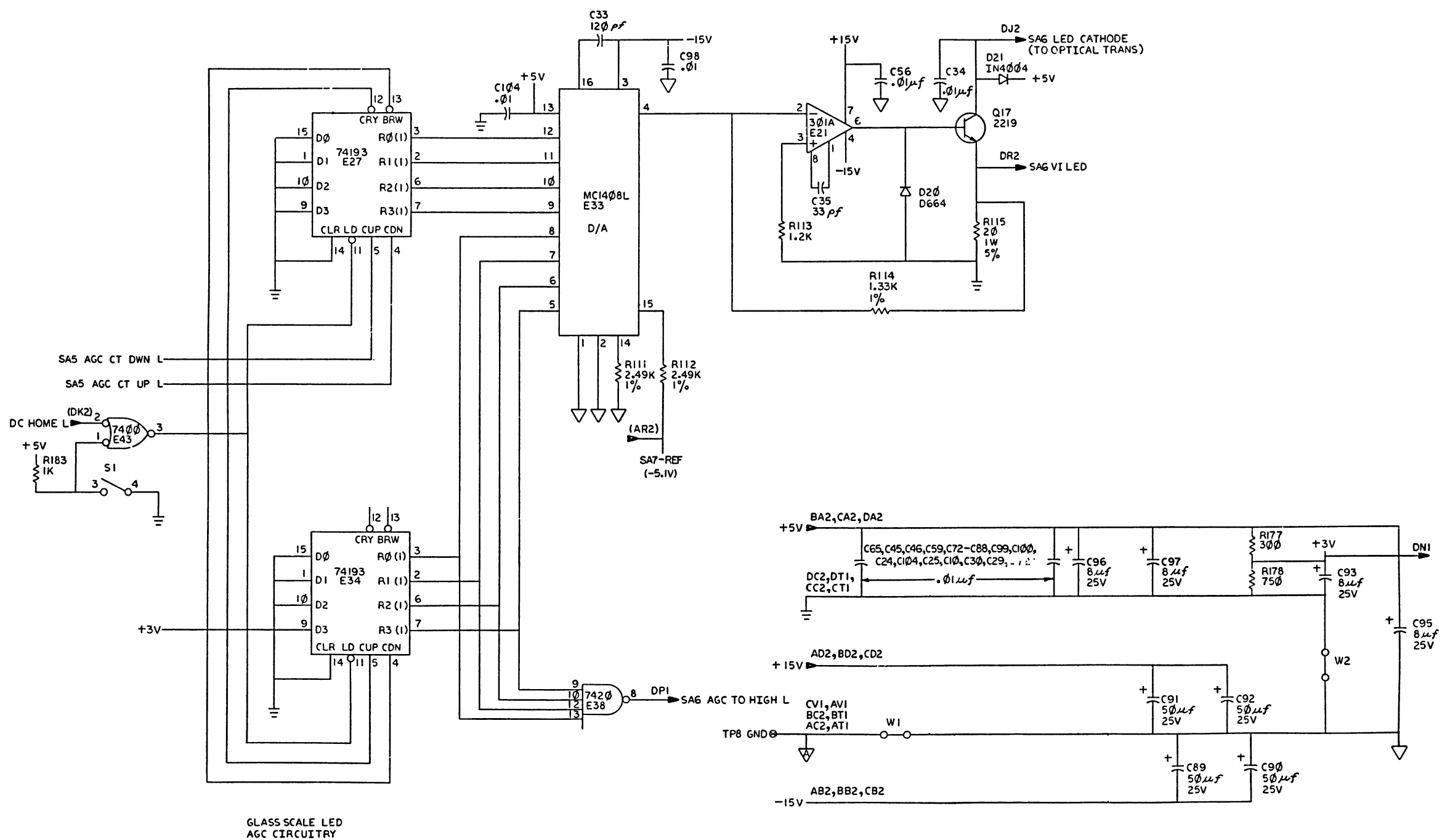


REVISIONS		
CHK	CHANGE NO	REV.

TITLE		SIZE CODE		NUMBER		REV.	
SERVO ANALOG (SA5)		D CS		M7906-01		F	
SCALE	4 / 4	SHEET	5	OF	7	DIST.	

THIS DRAWING AND SPECIFICATIONS HEREIN ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION.
COPYRIGHT © 1977 DIGITAL EQUIPMENT CORPORATION

1-0-9062W SC 2



REVISIONS		
CHK	CHANGE NO	REV

TITLE		SIZE CODE	NUMBER	REV.
SERVO ANALOG (SA6)		D CS	M7906-0-1	F
SCALE		SHEET	6 OF 7	DIST.

DEC FORM NO. DND 138

8

7

6

5

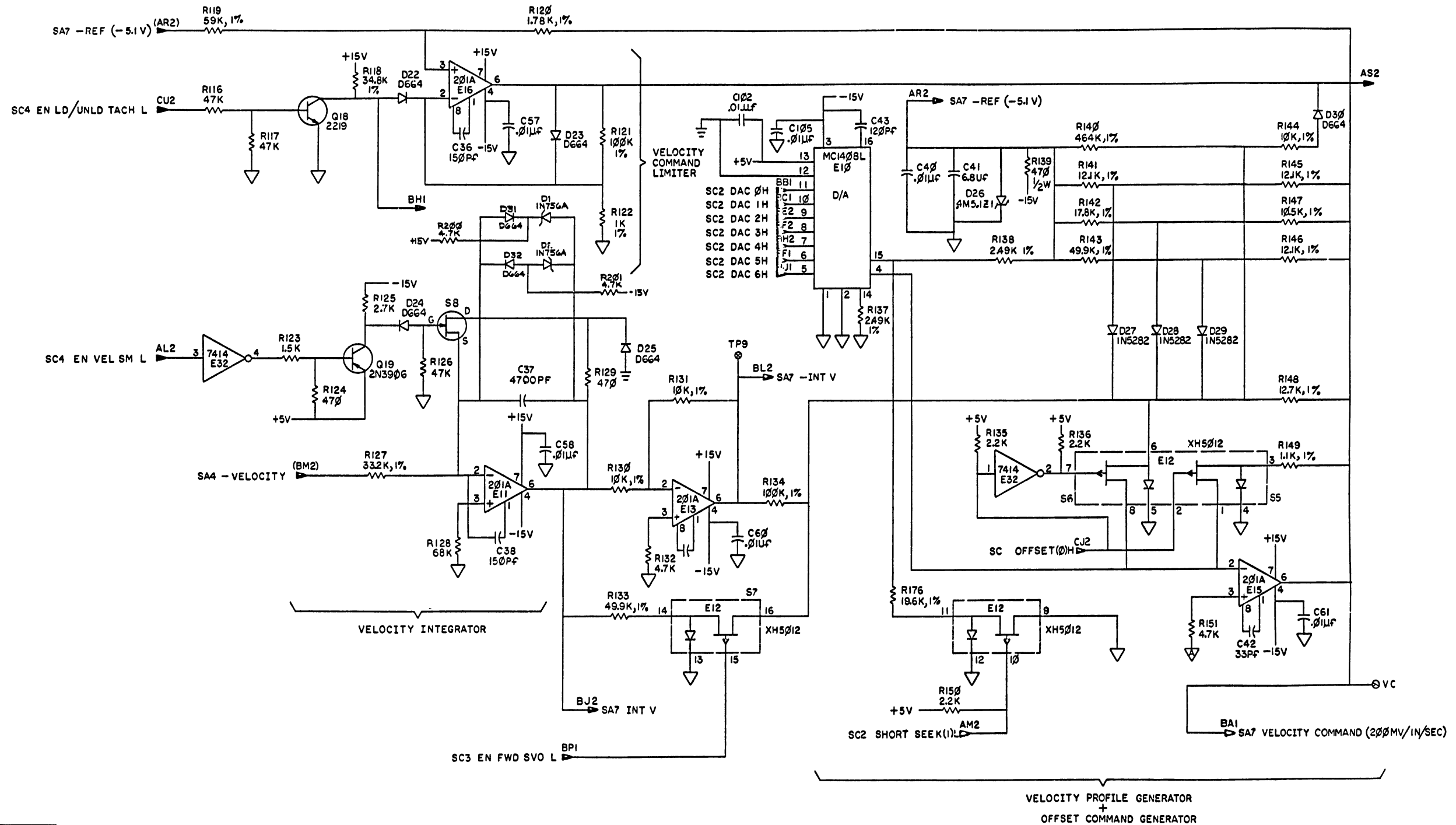
4

3

2

ML 1

THIS DRAWING AND SPECIFICATIONS HEREIN ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1977 DIGITAL EQUIPMENT CORPORATION



REVISIONS		
CHK	CHANGE NO	REV.

TITLE		SIZE/CODE	NUMBER	REV.
SERVO ANALOG (SA7)		D CS	M7906-0-1	F
SCALE		SHEET	7 OF 7	DIST.

SHEET A1 OF A3

REFERENCE DESIGNATOR

CONT

REVISION HISTORY			BASIC PART NO: M7906		DRN: S.KLOTZLE		DATE: 01-NOV-78		D I G I T A L						
ENG	ECO NUMBER	REV	SECTION A OF A		CHK'D: P.BOSSMAN		DATE: 01-NOV-78		TITLE		PARTS LIST				
C.L	M7906-ML004	E	SECTION VARIATION INDEX		DES.ENG: M.SIDMAN <th colspan="2">DATE: 01-NOV-78</th> <td colspan="2">SERVO ANALOG</td> <td colspan="5"></td>		DATE: 01-NOV-78		SERVO ANALOG						
M.C	M7906-ML006	F	00		RESP.ENG.: M.SIDMAN <th colspan="2">DATE: 01-NOV-78</th> <td colspan="2">DOCUMENT NUMBER</td> <td colspan="5"></td>		DATE: 01-NOV-78		DOCUMENT NUMBER						
			[A]		MFG.ENG.: M.RAYMOND <th colspan="2">DATE: 01-NOV-78</th> <td>SIZE</td> <td>CODE</td> <td>NUMBER</td> <td colspan="3">REV</td>		DATE: 01-NOV-78		SIZE	CODE	NUMBER	REV			
			[B]		ASSEMBLY NUMBER:		TOP DOCUMENT NUMBER:		K	PL	M7906-0-DBP	F			
			[C]		D-UA-M7906-0-0		RK07		FILE NAME:		EDIT 0				
			[D]				<td colspan="2">Z0477F.PLS</td> <td colspan="3"></td>		Z0477F.PLS						
			[E]				<td colspan="2"></td> <td colspan="3"></td>								
			[F]				<td colspan="2"></td> <td colspan="3"></td>								
			[G]				<td colspan="2"></td> <td colspan="3"></td>								
			[H]				<td colspan="2"></td> <td colspan="3"></td>								
			[I]				<td colspan="2"></td> <td colspan="3"></td>								
			[J]				<td colspan="2"></td> <td colspan="3"></td>								
			[K]				<td colspan="2"></td> <td colspan="3"></td>								
			[L]				<td colspan="2"></td> <td colspan="3"></td>								
			[M]				<td colspan="2"></td> <td colspan="3"></td>								
			[N]				<td colspan="2"></td> <td colspan="3"></td>								

THIS DRAWING AND SPECIFICATIONS HEREIN ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION.

COPYRIGHT (C) 1979, DIGITAL EQUIPMENT CORPORATION

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION	REFERENCE DESIGNATOR
28	28		1300365-00	1 K 1/4W 5% RN55D-F 100PPM	2	R48,R183
29	29		1303114-00	1.0 K 1/4W 1% RN55D-F 100PPM	9	P23,R24,R51-R53,R64-R66,R122
30	30		1301320-00	1.2 K 1/4W 5% RN55D-F 100PPM	1	R113
31	31		1300391-00	1.5 K 1/4W 5% RN55D-F 100PPM	9	R60-R63,R73-R76,R123
32	32		1300411-00	2 K 1/4W 1% RN55D-F 100PPM	1	R125
33	33		1300417-00	2.2 K 1/4W 5% RN55D-F 100PPM	14	R8-R11,R26-R30,R56,R69,R135,
						R136,R150
34	34		1300476-00	2.7 K 1/4W 5% RN55D-F 100PPM	8	R78,R153,R156,R159,R162,R165,
						R168,R171
35	35		1300447-00	4.7 K 1/4W 5% RN55D-F 100PPM	13	R5,R18,R34,R35,R43-R45,R98,R99,
						R132,R151,R200,R201
36	36		1300479-00	10 K 1/4W 5% RN55D-F 100PPM	5	R12,R42,R88,R92,R93
37	37		1300525-00	59 K 1/4W 1% RN55D-F 100PPM	1	R119
38	38		1300539-00	120 K 1/4W 5% RN55D-F 100PPM	1	R40
39	39		1301401-00	150 K 1/4W 5% RN55D-F 100PPM	1	R178
40	40		1301775-00	220 K 1/4W 5% RN55D-F 100PPM	5	R47,R83,R89,R104,R107
41	41		1301808-00	22 K 1/4W 5% RN55D-F 100PPM	2	R129,R112
42	42		1302177-00	47 K 1/4W 5% RN55D-F 100PPM	13	R46,R70,R108,R116,R117,R126,
						R154,R157,R160,R163,R166,R169,
						R172
43	43		1312993-00	20 K 1W 5% RN55D-F 100PPM	1	R115
44	44		1301327-00	68 K 1/4W 5% RN55D-F 100PPM	1	R128
45	45		1302398-00	470 K 1/4W 5% RN55D-F 100PPM	3	R90,R91,R103
46	46		1302612-00	1.78 K 1/4W 1% RN55D-F 100PPM	1	R120
47	47		1302941-00	14.7 K 1/4W 1% RN55D-F 100PPM	1	R22
48	48		1303043-00	464 K 1/4W 1% RN55D-F 100PPM	1	R140
49	49		1303044-00	100 K 1/4W 1% RN55D-F 100PPM	5	R6,R7,R21,R121,R134
50	50		1303156-00	34.8 K 1/4W 1% RN55D-F 100PPM	1	R118
51	51		1303179-00	8.2 K 1/4W 5% RN55D-F 100PPM	1	R37
52	52		1303312-00	10.0 K 1/4W 1% RN55D-F 100PPM	25	R1,R3,R13-R17,R40,R41,R50,R58,
						R59,R71,R72,R80,R84-R87,R94,R95,
						R130,R131,R144,R181
						R141,R145,R146
53	53		1303313-00	12.1 K 1/4W 1% RN55D-F 100PPM	3	R100
54	54		1304054-00	5.11 K 1/4W 1% RN55D-F 100PPM	1	R55,R69
55	55		1305108-00	1.47 K 1/4W 1% RN55D-F 100PPM	2	R25
56	56		1305128-00	5.62 K 1/4W 1% RN55D-F 100PPM	1	R57,R70
57	57		1305265-00	39.2 K 1/4W 1% RN55D-F 100PPM	2	R19,R20
58	58		1305336-00	200 K 1/4W 1% RN55D-F 100PPM	2	R127
59	59		1305252-00	68.1 K 1/4W 1% RN55D-F 100PPM	1	R33,R36
60	60		1305422-00	137 K 1/4W 1% RN55D-F 100PPM	2	R82
61	61		1309143-00	5 K 3/4W 1% POT 100PPM	1	R31
62	62		1309143-10	10 K 3/4W 20% POT 100PPM	1	R54,R67
63	63		1309417-00	27.4 K 1/4W 1% RN55D-F 100PPM	3	R176,R179,R180
64	64		1309419-00	19.6 K 1/4W 1% RN55D-F 100PPM	3	R114
65	65		1310630-00	1.33 K 1/4W 1% RN55D-F 100PPM	1	R32
66	66		1305427-00	590 K 1/4W 1% RN55D-F 100PPM	1	R111,R112,R137,R138
67	67		1312626-00	2.49 K 1/4W 1% RN55D-F 100PPM	4	R38,R39
68	68		1312747-00	56.2 K 1/4W 1% RN55D-F 100PPM	2	

D	I	G	I	T	A	L	TITLE	SECTION A OF A	SIZE	CODE	DOCUMENT NUMBER	REV
							SERVO ANALOG		K	PL	M7906-C-DBP	F

LINE ITEM DOCUMENT NUMBER

PART NUMBER

DESCRIPTION

QTY PER VARIATION
00

REFERENCE DESIGNATOR

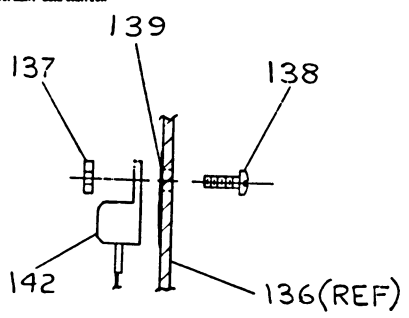
69	69	1312987-00	10.5 K 1/4W 1% RN55D-1252F	1	R147
70	70	1312988-00	49.0 K 1/4W 1% RN55D-R092F	2	R133,R143
71	71	1312989-00	17.8 K 1/4W 1% RN55D-1782F	1	R142
72	72	1312990-00	12.7 K 1/4W 1% RN55D-1272F	1	R148
73	73	1301425-00	300 1/4W 5% CC	1	R177
74	74	1304853-00	9.09 K 1/4W 1% RN55D-F 100PPM	2	R2,R4
75	75	1301881-00	DEC2219 NPN 3W C. SI 30100	2	Q17,Q18
76	76	1509523-00	2N 3906 PNP 310MW SI 42100 Y	9	Q1-Q8,Q19
77	77	1511095-00	2N 5638 FET 310MW SIN CHNHL	9	Q9-Q16,Q20
78	78	1302645-00	1.1 K 1/4W 1% RN55D-F 100PPM	1	R149
79	79	1905547-00	7474 FF-D DUAL,EDGE TRIGG	2	F36,E37
80	80	1905576-00	7412 NAND GATE-TRIPLE 3IN	1	E46
81	81	1905577-00	7422 NAND GATE-DUAL 4INPU	1	E38
82	82	1905590-00	DEC 7401 NAND GATE-QUAD 2IN,0	1	E35
83	83	1910282-00	301AN OP AMP	5	E1-E4,E21
84	84	1909686-00	7404 INVERTER GATE-HEX 1I	1	E30
85	85	1910018-00	DEC 74193 COUNTER,SYNCH, UP/D	2	E27,E34
86	86	1910155-00	DEC 7408 AND GATE,POS,QUAD 2I	1	E43
87	87	1910298-00	741 OP AMP GEN PURP, COM	1	E9
88	88	1910436-00	DEC 74123 ONE SHOT-DUAL,RETRIG	2	E39,E45
89	89	1911143-00	DEC 7401A OP AMP	10	E6-E8,F11,E13-E17,E25
90	90	1911324-00	7414 INVERTER,HEX 1IN SCH	2	E32,E44
91	91	1911629-00	1408 DAC, 8BIT	2	F10,F33
92	92	1911637-00	74132 NAND GATE-QUAD 2 IN	2	E31,E41
93	93	1911706-00	5412 ANALOG SWITCH,4CHNL	2	E12,E19,E20
94	94	1914140-00	LM 311N VOLT CMPRTR	5	E22-E24,E26,E28
95	95	9007203-00	TPANSTPADS #10134	2	S1,S2
96	96	1210209-00	SW,TOG,SPDT,0.01A@6V,ON/ON,SUBMIN	2	
97	97	9000024-01	EYELET, ROLLED FLANGE, .121 OD X	8	
98	98	9007791-00	IFRM PCB 2POS SOLDER, TORRET	10	TP1-TP10
99	99	9009185-00	JUMPER, WIRE, INSULATED, BLACK B	2	W1,W2
100	100	1213113-01	HANDLE, MODULE	1	
101	101	9105740-55	WIRE(WRAP)30AWG UL1423	A/R	
102	102	9107256-11	*** THIS ITEM IS NOT USED ***		
103	103	9107295-10	*** THIS ITEM IS NOT USED ***		
104	104	1103441-00	IN 756A VZ= 8 2 5% .40W P	2	D1,D2
105	105		CIRCUIT SCHEMATIC	REF	
106	106		UNIT ASSEMBLY	REF	
107	107		DRAWING DIRECTORY	REF	
108	108		DRILL AND ETCH DRAWING	REF	

0-CS-M7906-0-1
0-UA-M7906-0-0
8-OD-M7906-0-0
0-MD-5012849-0-0

NOTE: USED ON: OPTION/MODEL RK07
NOTE: I.C. SPARELS-B5,E18,E29,E42,E42

P I G I T A L					TITLE	SERVO ANALOG	SECTION A OF A	SIZE	CODE	DOCUMENT NUMBER	REV
								K	PL	M7906-0-DBP	F

THIS DRAWING AND SPECIFICATIONS, HEREIN, AND THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION.
COPYRIGHT © 1977 DIGITAL EQUIPMENT CORPORATION



REWORK INSTRUCTIONS

ECO # 2

ETCH CUTS SIDE 1:

2-1. TO RIGHT OF E4-11

COMPONENT DELETES SIDE 1:

2-2. R141 (P/N 130142-00)

2-3. C112 (P/N 1000009)

2-4. C124 (P/N 1000009)

2-5. Q4 (P/N 1503051)

2-6. Q6 (P/N 1503051)

2-7. R147 (P/N 1305114)

2-8. R168 (P/N 1305114)

COMPONENT ADDS SIDE 1:

2-9. R141 (P/N 1303114)

2-10. C112 (P/N 1002427) AND RELOCATE AS SHOWN

2-11. Q4 (P/N 1514999)

2-12. Q6 (P/N 1514999)

2-13. R147 (P/N 1304856)

2-14. R168 (P/N 1304856)

2-15. DRILL HOLE .12 DIA (#31 DRILL BIT) INSTALL E42 (P/N 1912536) AS SHOWN. TACK SOLDER PIN 3 TO GROUND ETCH DIRECTLY BELOW LEAD. SOLDER WIRES TO LEADS 1 AND 2 AND ADD SHRINK TUBING (P/N 9107714) TO LEADS 1 AND 2. APPLY THERMAL COMPOUND BEFORE ATTACHING E42 TO BOARD (REFER TO SECTION A-A). NOTE: BE CAREFUL THAT NUT DOES NOT DAMAGE CASE OF E42 WHEN INSERTING.

WIRE ADDS SIDE 1:

2-16. FROM E42-2 TO ETCH RUNNING UNDER R11, TACK SOLDER TO ETCH.

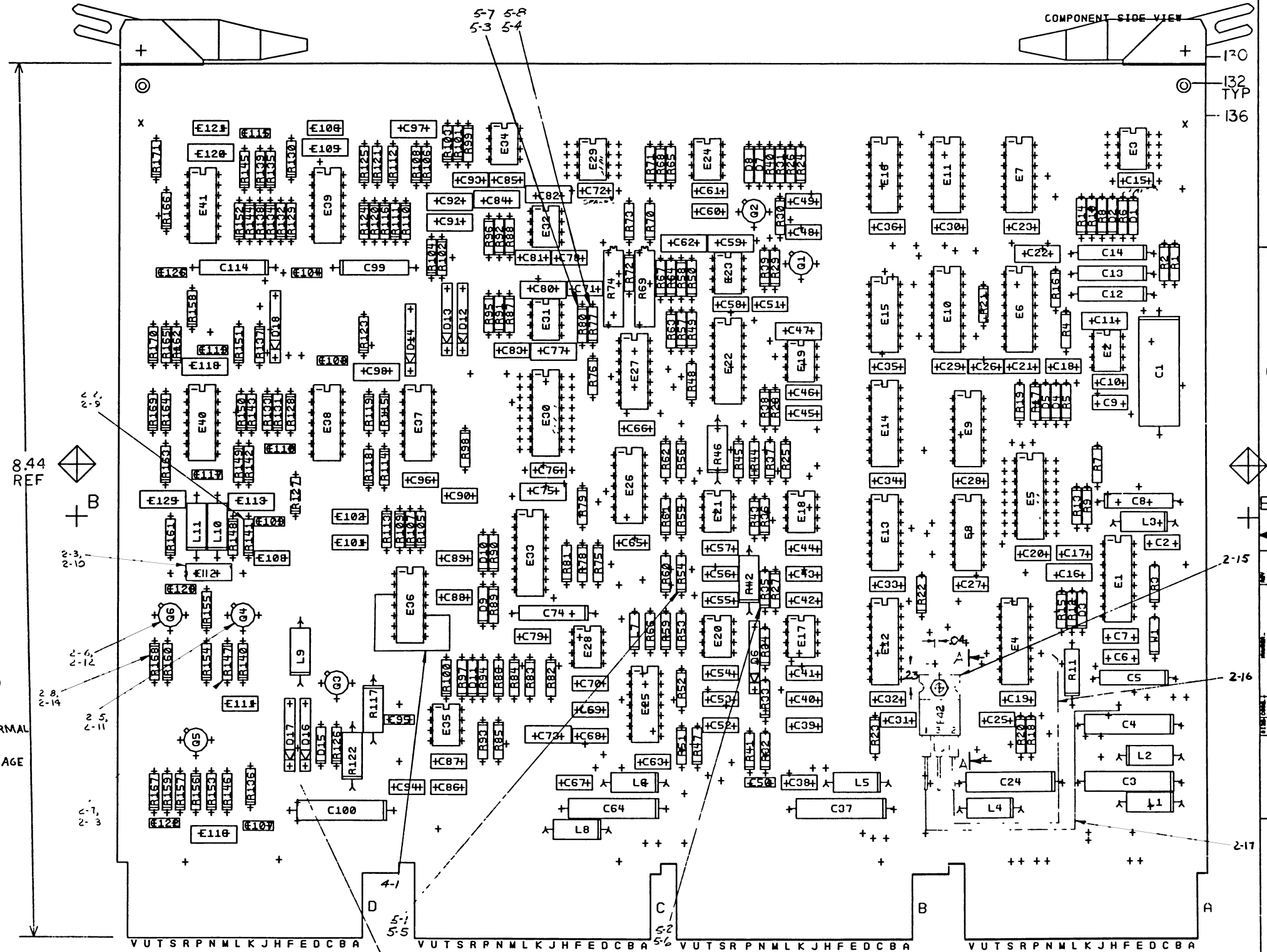
2-17. FROM E42-1 TO PTH ABOVE C4

ECO #4

WIRE ADDS SIDE 1:

4-1 BETWEEN E36-3 AND E36-10

REWORK INSTRUCTIONS CONT ON PG.4.



NOTES:

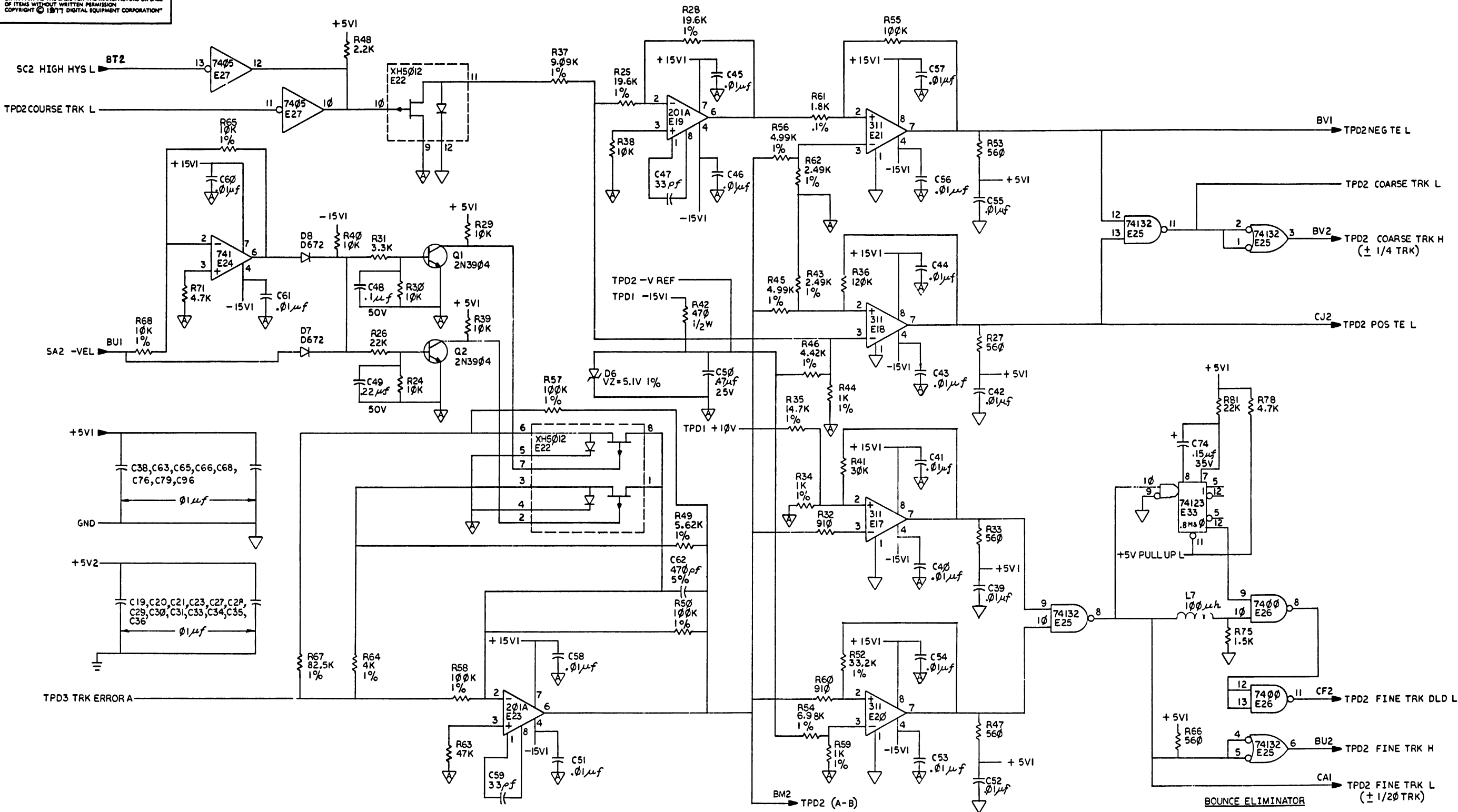
- 1. 8 HOLES .0465 (+.002-.0045) MAYNARD ONLY
- 2. ADD SLEEVING TO LEADS OF D14, D16, D6, D17, D18.

CHANGE NO	REV	DESCRIPTION	DATE
1	1	REWORK INSTRUCTIONS	11/1/77
2	2	ECO #2	11/1/77
3	3	ECO #4	11/1/77
4	4	ECO #5	11/1/77
5	5	ECO #6	11/1/77
6	6	ECO #7	11/1/77
7	7	ECO #8	11/1/77
8	8	ECO #9	11/1/77
9	9	ECO #10	11/1/77
10	10	ECO #11	11/1/77
11	11	ECO #12	11/1/77
12	12	ECO #13	11/1/77
13	13	ECO #14	11/1/77
14	14	ECO #15	11/1/77
15	15	ECO #16	11/1/77
16	16	ECO #17	11/1/77
17	17	ECO #18	11/1/77
18	18	ECO #19	11/1/77
19	19	ECO #20	11/1/77
20	20	ECO #21	11/1/77
21	21	ECO #22	11/1/77
22	22	ECO #23	11/1/77
23	23	ECO #24	11/1/77
24	24	ECO #25	11/1/77
25	25	ECO #26	11/1/77
26	26	ECO #27	11/1/77
27	27	ECO #28	11/1/77
28	28	ECO #29	11/1/77
29	29	ECO #30	11/1/77
30	30	ECO #31	11/1/77
31	31	ECO #32	11/1/77
32	32	ECO #33	11/1/77
33	33	ECO #34	11/1/77
34	34	ECO #35	11/1/77
35	35	ECO #36	11/1/77
36	36	ECO #37	11/1/77
37	37	ECO #38	11/1/77
38	38	ECO #39	11/1/77
39	39	ECO #40	11/1/77
40	40	ECO #41	11/1/77
41	41	ECO #42	11/1/77
42	42	ECO #43	11/1/77
43	43	ECO #44	11/1/77
44	44	ECO #45	11/1/77
45	45	ECO #46	11/1/77
46	46	ECO #47	11/1/77
47	47	ECO #48	11/1/77
48	48	ECO #49	11/1/77
49	49	ECO #50	11/1/77
50	50	ECO #51	11/1/77
51	51	ECO #52	11/1/77
52	52	ECO #53	11/1/77
53	53	ECO #54	11/1/77
54	54	ECO #55	11/1/77
55	55	ECO #56	11/1/77
56	56	ECO #57	11/1/77
57	57	ECO #58	11/1/77
58	58	ECO #59	11/1/77
59	59	ECO #60	11/1/77
60	60	ECO #61	11/1/77
61	61	ECO #62	11/1/77
62	62	ECO #63	11/1/77
63	63	ECO #64	11/1/77
64	64	ECO #65	11/1/77
65	65	ECO #66	11/1/77
66	66	ECO #67	11/1/77
67	67	ECO #68	11/1/77
68	68	ECO #69	11/1/77
69	69	ECO #70	11/1/77
70	70	ECO #71	11/1/77
71	71	ECO #72	11/1/77
72	72	ECO #73	11/1/77
73	73	ECO #74	11/1/77
74	74	ECO #75	11/1/77
75	75	ECO #76	11/1/77
76	76	ECO #77	11/1/77
77	77	ECO #78	11/1/77
78	78	ECO #79	11/1/77
79	79	ECO #80	11/1/77
80	80	ECO #81	11/1/77
81	81	ECO #82	11/1/77
82	82	ECO #83	11/1/77
83	83	ECO #84	11/1/77
84	84	ECO #85	11/1/77
85	85	ECO #86	11/1/77
86	86	ECO #87	11/1/77
87	87	ECO #88	11/1/77
88	88	ECO #89	11/1/77
89	89	ECO #90	11/1/77
90	90	ECO #91	11/1/77
91	91	ECO #92	11/1/77
92	92	ECO #93	11/1/77
93	93	ECO #94	11/1/77
94	94	ECO #95	11/1/77
95	95	ECO #96	11/1/77
96	96	ECO #97	11/1/77
97	97	ECO #98	11/1/77
98	98	ECO #99	11/1/77
99	99	ECO #100	11/1/77

ETCH REV. 5-PI
P.C. DESIGN DATA BASE REV. 3

SIGNATURES	DATE
DRN. ST.	
CHK'D.	
ENG. M. SIOYAN	11/1/77
PROJ. ENG. V. V. V.	11/1/77
PROD.	
SCALE 2/1	SIZE CODE
SHT. 1 OF 4	NUMBER
NEXT HIGHER ASSY. 11/1/77	REV

"THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION.
COPYRIGHT © 1977 DIGITAL EQUIPMENT CORPORATION"



ADAPTIVE FILTER

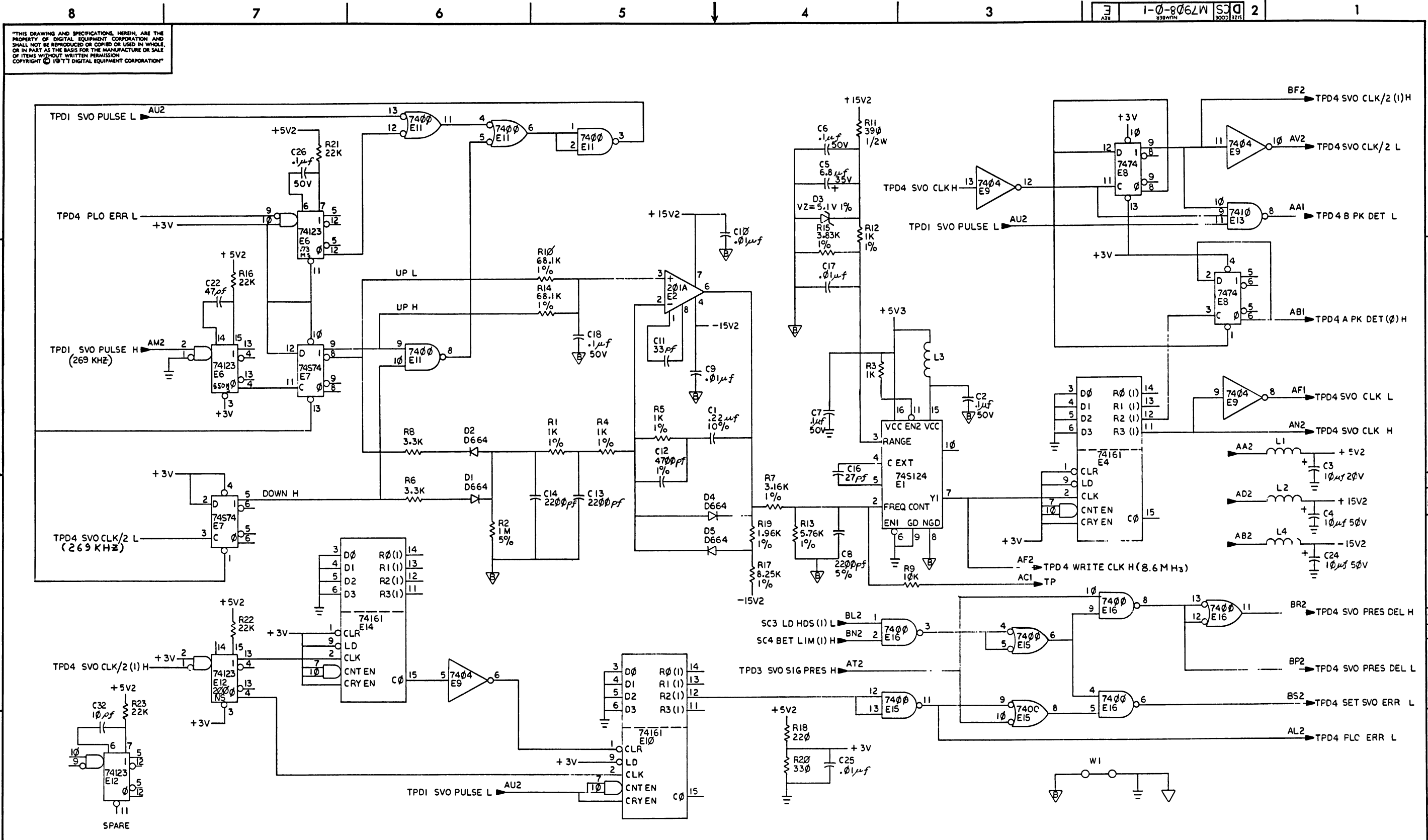
COARSE TRACK AND FINE TRACK COMPARATORS

BOUNCE ELIMINATOR

REVISIONS		
CHK	CHANGE NO	REV

DEC FORM NO. DRD 138

TITLE		SIZE CODE	NUMBER	REV.
TPD/PLO		D CS	M7908-0-1	E
SCALE	SHEET 2 OF 4	DIST.		



"THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION OF DIGITAL EQUIPMENT CORPORATION"

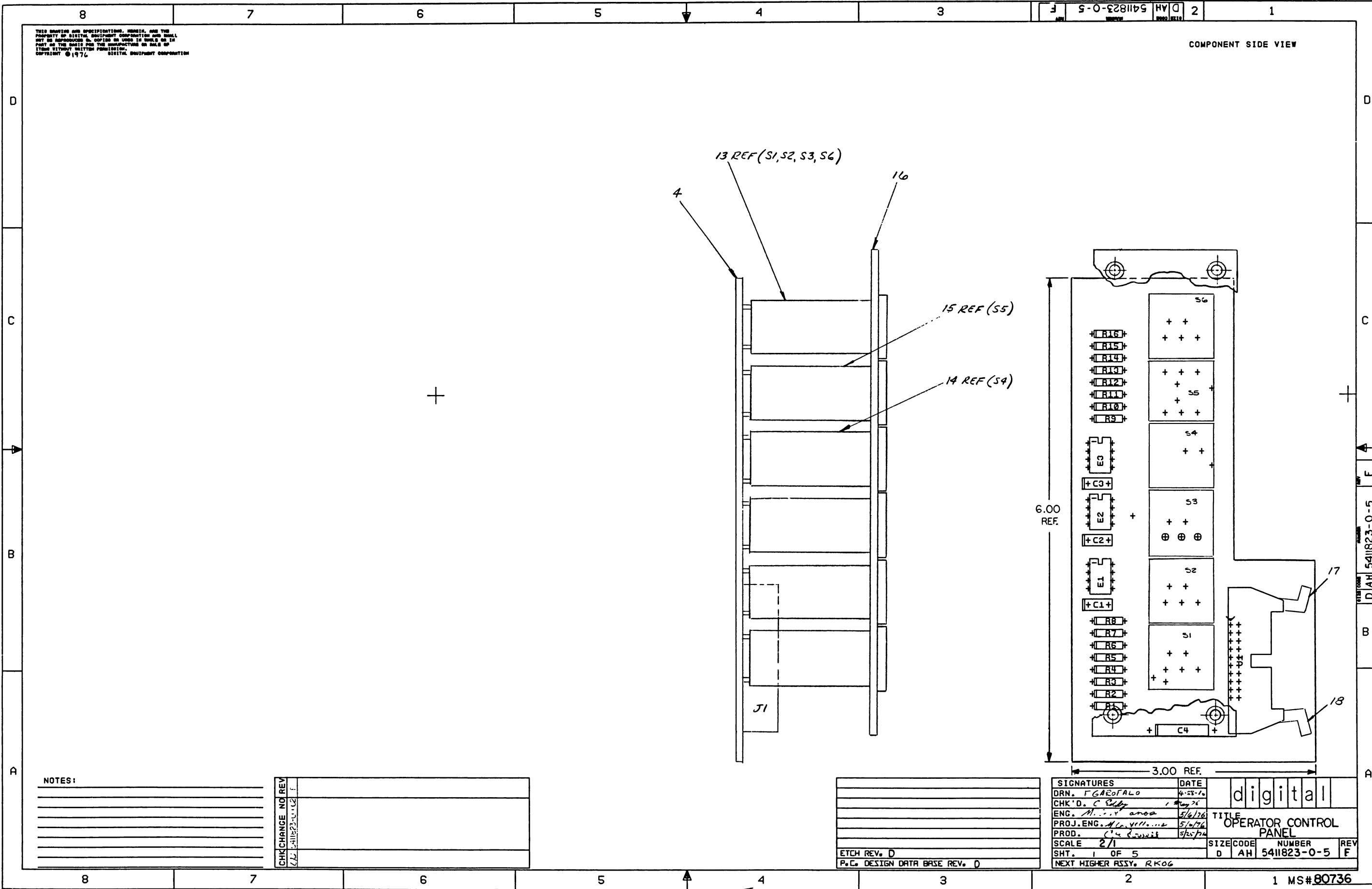
LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY	REFERENCE DESIGNATOR
73	73		1300417-00	2.2 K 1/4W 5% CC	1	R48
74	74		1312626-00	2.49 K 1/4W 1% RN55D-F 100PPM	2	R43,R62
75	75		1303045-00	3.16 K 1/4W 1% RN55D-F 100PPM	1	R7
76	76		1303064-00	75 1/4W 1% RN55D-F 100PPM	2	R136,R159
77	77		1303114-00	1.0 K 1/4W 1% RN55D-F 100PPM	14	R1,P4,R5,R12,R34,R44,R59,R114,R118,R132, CONT R157,R162,R169,R141
78	78		1303303-00	2.61 K 1/4W 1% RN55D-F 100PPM	4	R123,P130,R158,R166
79	79		1303311-00	*** THIS ITEM IS NOT USED ***	-	
80	80		1303312-00	10.0 K 1/4W 1% RN55D-F 100PPM	4	R65,R68,R121,R171
81	81		1304833-00	1.96 K 1/4W 1% RN55D-F 100PPM	1	R19
82	82		1304854-00	5.11 K 1/4W 1% RN55D-F 100PPM	4	R119,R124,R144,R164
83	83		1304855-00	9.09 K 1/4W 1% RN55D-F 100PPM	1	R37
84	84		1304858-00	348 1/4W 1% RN55D-F 100PPM	2	R146,R167
85	85		1305108-00	1.47 K 1/4W 1% RN55D-F 100PPM	1	R73
86	86		1304856-00	4.64 K 1/4W 1% RN55D-F 100PPM	2	R147,R168
87	87		1305126-00	619 1/4W 1% RN55D-F 100PPM	4	R143,R148,R151,R161
88	88		1305128-00	5.62 K 1/4W 1% RN55D-F 100PPM	2	R45,R79
89	89		1305130-00	133 K 1/4W 1% RN55D-F 100PPM	1	R72
90	90		1305252-00	68.1 K 1/4W 1% RN55D-F 100PPM	5	R10,R14,R70,H120,R134
91	91		1305324-00	4.99 K 1/4W 1% RN55D-F 100PPM	4	R45,R56,R110,R135
92	92		1305353-00	2 K 1/4W .1% RN55C-B 50PPM	1	R97
93	93		1305374-00	910 1/4W 5% CC	2	R32,R60
94	94		1305431-00	10 K 1/4W .1% RN55E-B 25PPM	6	R87,R88,R92,R95,R106,R108
95	95		1309143-18	1 M 3/4W20% POT 100PPM	1	R69
96	96		1309143-10	10 K 3/4W20% POT 100PPM	1	R74
97	97		1309295-00	1.8 K 1/4W .1% RN55E-B 25PPM	1	R61
98	98		1309314-03	4.42 K 1/2W 1% RN60D-F 100PPM	1	R46
99	99		1309413-00	3.83 K 1/4W 1% RN55D-F 100PPM	1	R15
100	100		1309419-00	19.6 K 1/4W 1% RN55D-F 100PPM	2	R25,R28
101	101		1309420-00	8.25 K 1/4W 1% RN55D-F 100PPM	1	R17
102	102		1309595-00	1 M 1/4W 5% CC	2	R2,R100
103	103		1309995-00	56 1/2W 5% CC	1	R117
104	104		1310636-00	82.5 K 1/4W 1% RN55D-F 100PPM	1	R67
105	105		1312988-00	49.9 K 1/4W 1% RN55D-H992F	1	R101
106	106		1000018-00	120.0 MVE 100V 5%200PPM DM15S	1	C73
107	107		1514999-00	MPS6515 NPN 350MW SI 25 250	2	Q4,Q6
108	108		1509574-00	2N 3904 NPN 310MW SI 40 40 M	3	Q1-Q3
109	109		1509900-00	2N 4859 FET 360MA SIN CHNNL	1	Q5
110	110		1601759-00	33 1/4W 5% 300MA	2	L10,L11
111	111		1610662-00	100.0 1/4W 10% 165MA #DD1 00	1	L7
112	112		1611257-21	CHOKF(CERAMIC BEAD)AXIAL LEAD,CN	8	L1-L6,L8,L9
113	113		1010566-02	10 MFD 25V Y% 196D TANT	2	C117,C123
114	114		1905547-00	7474 FF-D DUAL,EDGE TRING	1	E8
115	115		1905575-00	7400 NAND GATE-QUAD 2IN	4	E11,E15,E16,E26
116	116		1905576-00	7410 NAND GATE-TRIPLE 3IN	1	E13
117	117		1909686-00	7404 INVERTER GATE-HEX 1I	1	E9
118	118		1909930-00	7405 INVERTER GATE-HEX 1I	2	E27,E37
119	119		1910290-00	741 OP AMP GEN PURP. CON	3	E24,E34,E35

D I G I T A L								TITLE	TPD/PLO				SECTION	1	OF	1	SIZE	CODE	DOCUMENT NUMBER	REV
																	K	PL	M7908-0-DRP	E

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY	REFERENCE DESIGNATOR
120	120		1910337-00	DEC 1414L VOLT.COMPARATOR,DUAL	1	E36
121	121		1910436-00	DEC 74123 ONE SHOT-DUAL,PETRIG	3	E6,E12,E33
122	122		1910544-00	74S74 FF-D DUAL,EDGE TRIGG	1	E7
123	123		1910650-00	74161 COUNTER,SYNCHR. UP	3	E4,E10,E14
124	124		1911143-00	DEC 201A OP AMP	5	E2,E19,E23,E31,E32
125	125		1911637-00	74132 NAND GATE-QUAD 2 IN	1	E25
126	126		1911706-00	5012 ANALOG SWITCH,4CHNL	1	E22
127	127		1911911-00	DEC 74S124 OSCILLATOR,DUAL VOLT	1	E1
128	128		1913017-00	3046 XSISTOP ARRAY,3 ISOL	4	E38-E41
129	129		1914140-00	LM 311N VOLT CMPRTR	5	E17,E19,E20,F21,E28
130	130		1213113-01	HANDLE,MODULE,	1	
131	131		1305890-00	4.7 1/4W 5% CC	1	R154
132	132		9020024-01	EYELET, POLLED FLANGE, .121 OD X	8	
133	133		9009185-00	JUMPER, WIRE, INSULATED, BLACK B	1	W1
134	134		1010978-40	.22 MFD 50V 10% 20067 CFP	1	C49
135	135		9107256-11	TUBING,THIN WALL,.027ID UL	A/R	
136	136		5012933-00	TPD/PLD	1	
137	137		9006537-00	NUT,KEP , 4-40X 1/4 AF	1	
138	138		9008301-01	SCREW,PAN ,PH10, 4-40X 1/4	1	
139	139		9008268-00	COMPOUND, THERMAL JOINT 8	A/R	
140	140		9107714-00	TUBING,SHRINK,.0094ID EXP. UL	A/P	
141	141		9107776-66	WIRE(WRAP)22AWG,IPVC UL1429 PL	A/R	
142	142	SEE NOTE 148	1912536-00	DEC 7805 VOLT.REG.FIX +	1	E42
143	143		9105740-55	WIRE(WRAP)130AWG UL1423	A/P	
144	144		1303305-00	6.90 K 1/4W 1% RN55D-F 100PPM	1	R54
145	145		1302941-00	14.7 K 1/4W 1% RN55D-F 100PPM	1	R35
146	146		1305122-00	51.1 1/4W 1% RN55D-F 100PPM	1	R80
147	147		1311594-00	30.1 K 1/4W 1% RN55D-F 100PPM	1	R77

148 NOTE: P/N 19-12536-01, IC 7805 IS AN ACCEPTABLE ALTERNATE PART.

D	I	G	I	T	A	L	TITLE	SECTION	1	OF	1	SIZE	CODE	DOCUMENT NUMBER	REV
							TPD/PLD					K	PL	M7908-0-DRP	E



NOTES:

CHG	NO	REV
7/2	5411823-0-5	F
7/2	5411823-0-5	F

ETCH REV. D
P.C. DESIGN DATA BASE REV. D

SIGNATURES	DATE	digital
DRN. F GAROFALO	4-25-76	
CHK'D. C. Kelly	1 May 76	
ENG. M. J. V. anoa	5/6/76	
PROJ. ENG. M. J. V. anoa	5/6/76	
PROD. C. J. V. anoa	5/6/76	
SCALE 2/1		
SHT. 1 OF 5		
NEXT HIGHER ASSY. RK06		

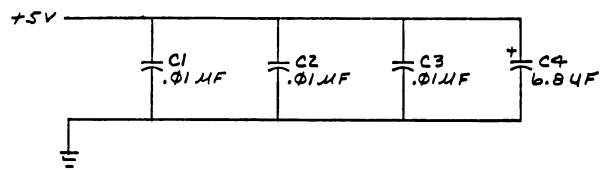
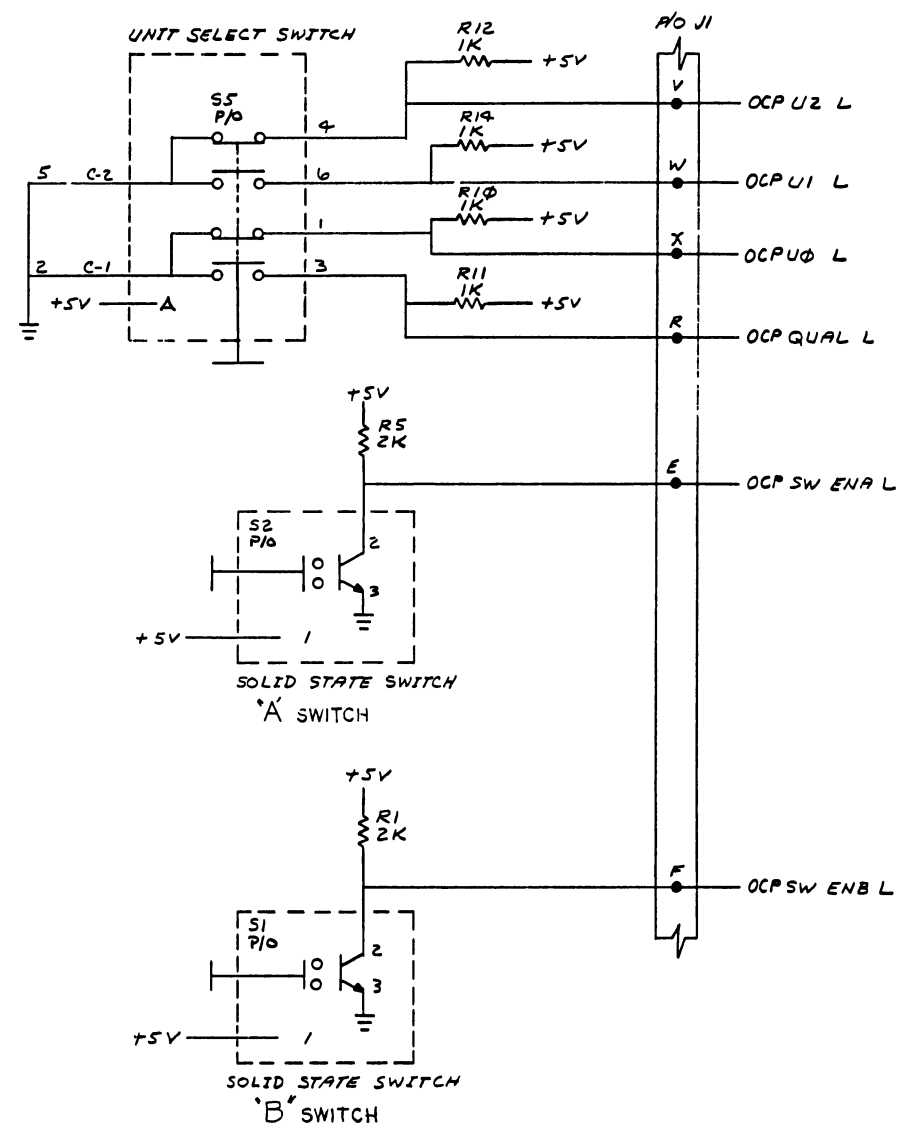
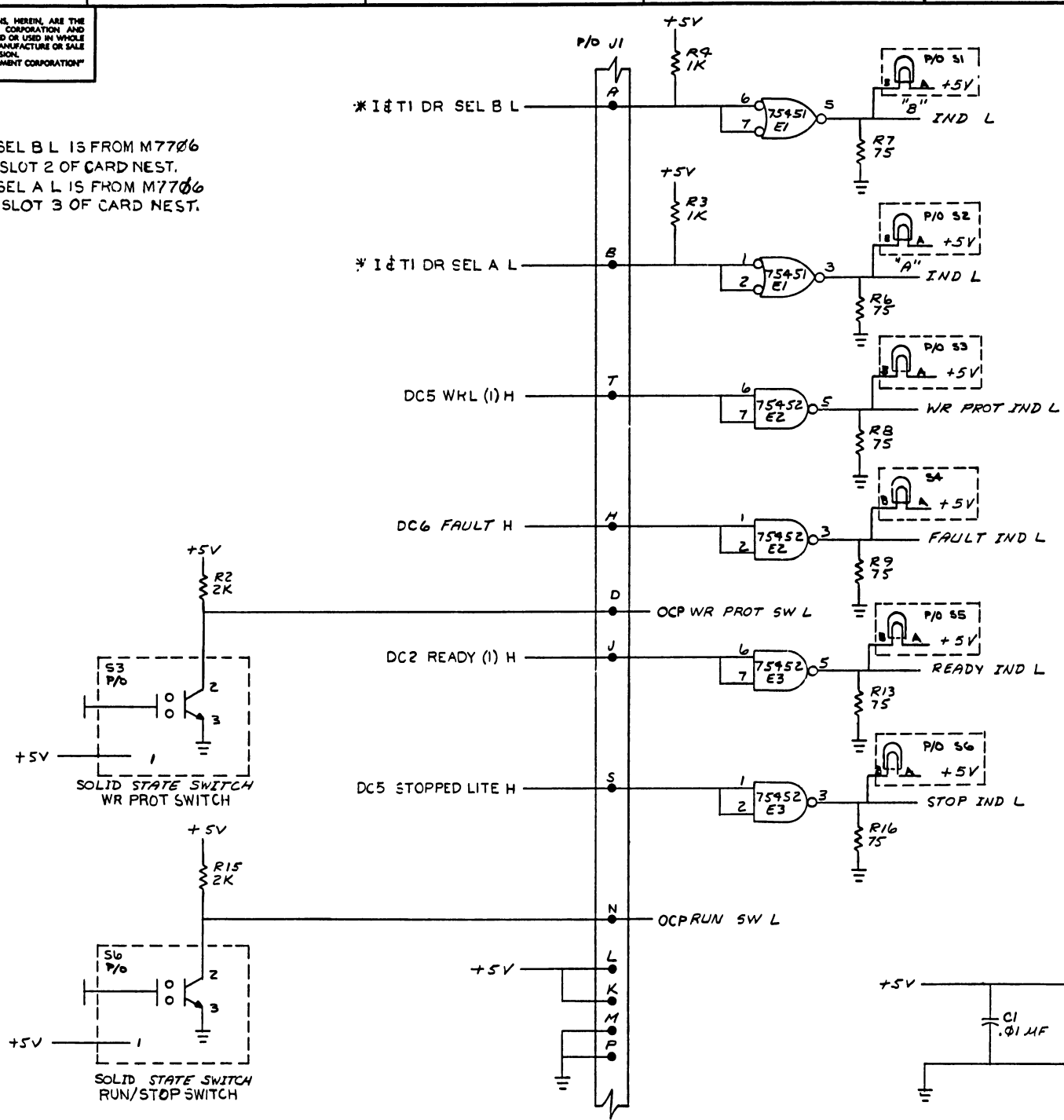
TITLE	NUMBER	REV
OPERATOR CONTROL PANEL	5411823-0-5	F

"THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1975, DIGITAL EQUIPMENT CORPORATION"

* NOTE:
I & TI DR SEL B L IS FROM M7706
WHEN IN SLOT 2 OF CARD NEST.
I & TI DR SEL A L IS FROM M7706
WHEN IN SLOT 3 OF CARD NEST.

NOTES.
1. UNLESS OTHERWISE SPECIFIED
RESISTORS ARE 1/4W, 5%

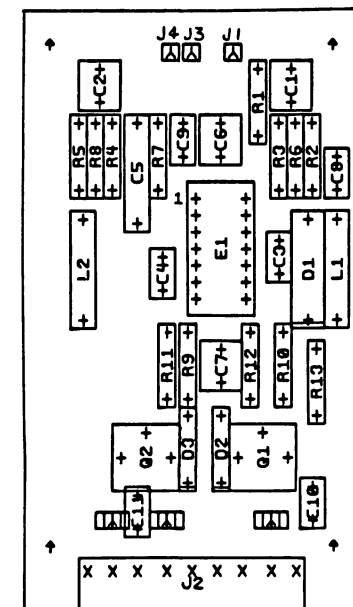
CND +8V
E1-4 E1-8
E2-4 E2-8
E3-4 E3-8



ETCH BOARD		D	FIRST USED ON		digital	
DRN <i>M. Peirce</i>	21-NOV-75		RK06			
CHK'D <i>M. Peirce</i>	24-NOV-75		TITLE OPERATORS CONTROL PANEL			
ENG <i>M. Peirce</i>	25-MAY-76					
PROJ ENG <i>M. Peirce</i>	21-MAY-76					
PROD <i>CP</i>	25-MAY-76					
NEXT HIGHER ASSY.						
D-UA-5411823-0-0			SIZE	CODE	NUMBER	REV.
SCALE <i>1</i>			D	CS	5411823-0-1	F
SHEET <i>1</i> OF <i>1</i>			DIST.			

DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS					QUANTITY / VARIATION														
PARTS LIST					ETCH REV D														
MADE BY M. Poirier			CHECKED <i>H. Karabjian</i>		SECTION														
DATE 9/5/75			DATE 18 NOV 75																
ENG <i>M. Castellano</i>			PROD <i>C.E. Bowell</i>		ISSUED SECT.														
DATE 5/25/76			DATE 5-25-76																
ITEM NO.	DWG NO. / PART NO.	DESCRIPTION																	
1	D-CS-5411823-0-1	OPERATORS CONTROL PANEL (C.S.)			REF														
2	D-AH-5411823-0-5	ASSY/DRILLING HOLE LAYOUT			REF														
3	B-MH-5411823-0-6	MODULE ECO HISTORY			REF														
4	5011822	ETCH CIRCUIT BOARD			1														
5	1001610-00	CAP .01UF 50V			3	C1, C2, C3													
6	1005306-00	CAP 6.8UF 35V 10% S.TANT			1	C4													
7	1302379-00	RES 75 1/4W 5%			6	R6, R7, R8, R9, R13, R16													
8	1302388-00	RES 2K 1/4W 5%			4	R1, R2, R5, R15													
9	1300365-00	RES 1K 1/4W 5%			6	R3, R4, R10, R11, R12, R14													
10	1910406-00	I.C. 75451			1	E1													
11	1910645-00	I.C. 75452			2	E2, E3													
12	1209941-06	CONN 20 PIN			1	J1													
13	1212718-00	SWITCH, PUSHBUTTON			4	S1, S2, S3, S6													
14	1212715-00	INDICATOR ASSEMBLY			1	S4													
15	1212690-00	UNIT SELECT BASE MODULE			1	S5													
16	C-MD-7413938-0-0	SWITCH MOUNTING BRACKET			1														
17	1209941-03	LATCH, LEFT			1														
18	1209941-04	LATCH, RIGHT			1														
TITLE			ASSY NO.		SIZE	CODE	NUMBER				REV.	ECO NO.							
OPERATORS CONTROL PANEL			D-UA-5411823-0-0		A	PL	5411823-0-0				F	5411823 00002							
			SHEET 1 OF 1		DIST.														

THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE
PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL
NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN
PART OR THE BASIS FOR THE MANUFACTURE OR SALE OF
ITEMS WITHOUT WRITTEN PERMISSION.
COPYRIGHT © 1977 DIGITAL EQUIPMENT CORPORATION



NOTES:

HOLE DATA							
SYMBOL							
FIN HOLE SIZE							
PLATED							
NON PLATED							
QTY.							
○-OFF GRO HLE							
DRAWN SIZE							

BOARD FABRICATION INFORMATION	
PANEL SIZE	
PANEL DATA DWG.#	
PANEL MAT'L	
QTY. OF LAYERS	
COPPER THICKNESS	
PTH.	PRINT AND ETCH
MODULE INSERTED 100 TIMES OR MORE	

SIGNATURES		DATE		digital				
DRN. J. CARTER		3-21-77						
CHK'D. <i>[Signature]</i>		3-21-77						
ENG. <i>[Signature]</i>		4-1-77		TITLE				
PROD. ENG. <i>[Signature]</i>		4-1-77		SERVO PREAMP				
PROD. <i>[Signature]</i>		4-5-77		SIZE		CODE	NUMBER	REV
SCALE 2/1				D		AH	5411687-0-5	E
SHT. 1 OF 4								
NEXT HIGHER ASSY. BK06						ETH REV. D		

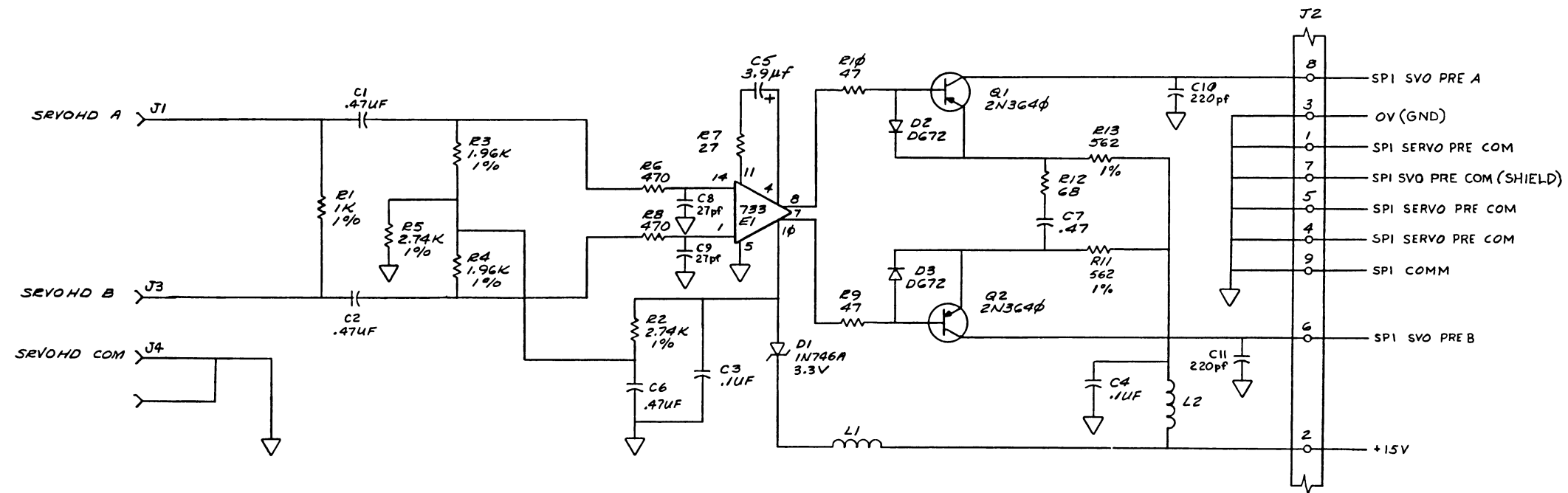
d	i	g	i	t	a	l
---	---	---	---	---	---	---

SERVO PREAMP

CODE	NUMBER	REV
AH	5411687-0-5	E
ETCH REV. D		

1 MS# _____

"THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1976, DIGITAL EQUIPMENT CORPORATION"



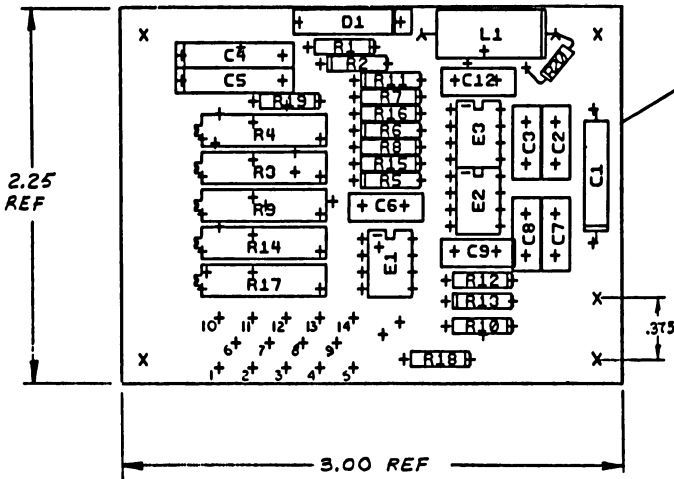
REVISIONS			
DATE	BY	CHANGE NO.	REV.
12/11/76	W	5411687-00001	C
P. J. Moore 23500716			
E. SIMMONS			
E. Simmons 10/11/76			
12/11/76	W	5411687-00002	D
M. CASTELLANOS			
M. Castellanos 3/4/77			
12/11/76	W	5411687-00003	E
M. Carter 3-25-77			
M. CASTELLANOS			
M. Castellanos 4-1-77			

DRN 5411687 2/6/76		FIRST USED ON		digital	
CHK'D 3/11/76		RK06			
ENG 5411687		TITLE			
PROJ ENG 5411687		SERVO PREAMP			
PROD 5411687					
NEXT HIGHER ASSY.					
D-UA-5411687-0-0		SIZE	CODE	NUMBER	REV.
SCALE 1		D	CS	5411687-0-1	E
SHEET 1 OF 1		DIST.			

DIGITAL EQUIPMENT CORPORATION				QUANTITY / VARIATION												NOTES:					
PARTS LIST				ETCH REV D																	
MADE BY Lora Metzger		CHECKED <i>N. Vanhien</i>		SECTION																	
DATE 2/6/76		DATE 10 FEB 76																			
ENG <i>R. Squatman</i>		PROD <i>J. H. Lutz</i>		ISSUED SECTION																	
DATE 5/2/75		DATE 5/2/75																			
ITEM NO.	DRAWING NO.	PART NO.	DESCRIPTION														REF. DESIGNATION				
1	D-CS-5411687-0-1		SERVO PREAMP (C.S.)		REF																
2	D-AH-5411687-0-5		ASSY/DRILLING HOLE LAYOUT		REF																
3	B-MH-5411687-0-6		MODULE ECO HISTORY		REF																
4		5011686	ETCHED CIRCUIT BOARD		1																
5		1010279-00	CAP .47UF 25V 20%	CER	4												C1,C2,C6,C7				
6		1010978-36	CAP .1UF 50V	CER	2												C3,C4				
7		1000064-00	CAP 3.9UF 10V 10%	S.TANT	1												C5				
8		1104860-00	DIODE IN746A 3.3V	ZENER	1												D1				
9		1105275-00	DIODE D672		2												D2,D3				
10		1300202-00	RES 47 1/4W 5%	C.C	2												R0,R10				
11		1300219-00	RES 68 1/4W 5%	C.C	1												R12				
12		1304693-00	RES 562 1/4W 1%	MF	2												R11,R13				
13		1303114-00	RES 1K 1/4W 1%	MF	1												R1				
14		1304833-00	1.96K 1/4W 1%	MF	2												R3,R4				
15		1304868-00	RES 2.74K 1/4W 1%	MF	2												R2,R5				
16		1301522-00	RES 27 1/4W 5%	C.C.	1												R7				
17		1503029-00	TRANS 2N3640		2												Q1,Q2				
18		1611257-01	CHOKE AXIAL LEAD	CER	2												L1,L2				
E.C.O. NO. 00001 00002 00003																					
THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1976 DIGITAL EQUIPMENT CORPORATION				TITLE SERVO PREAMP				ASSY NO. D-UA-5411687-0-0				SIZE B		CODE PL		NUMBER 5411687-0-0				REV. E	
								SHEET 1 OF 2				DIST.									

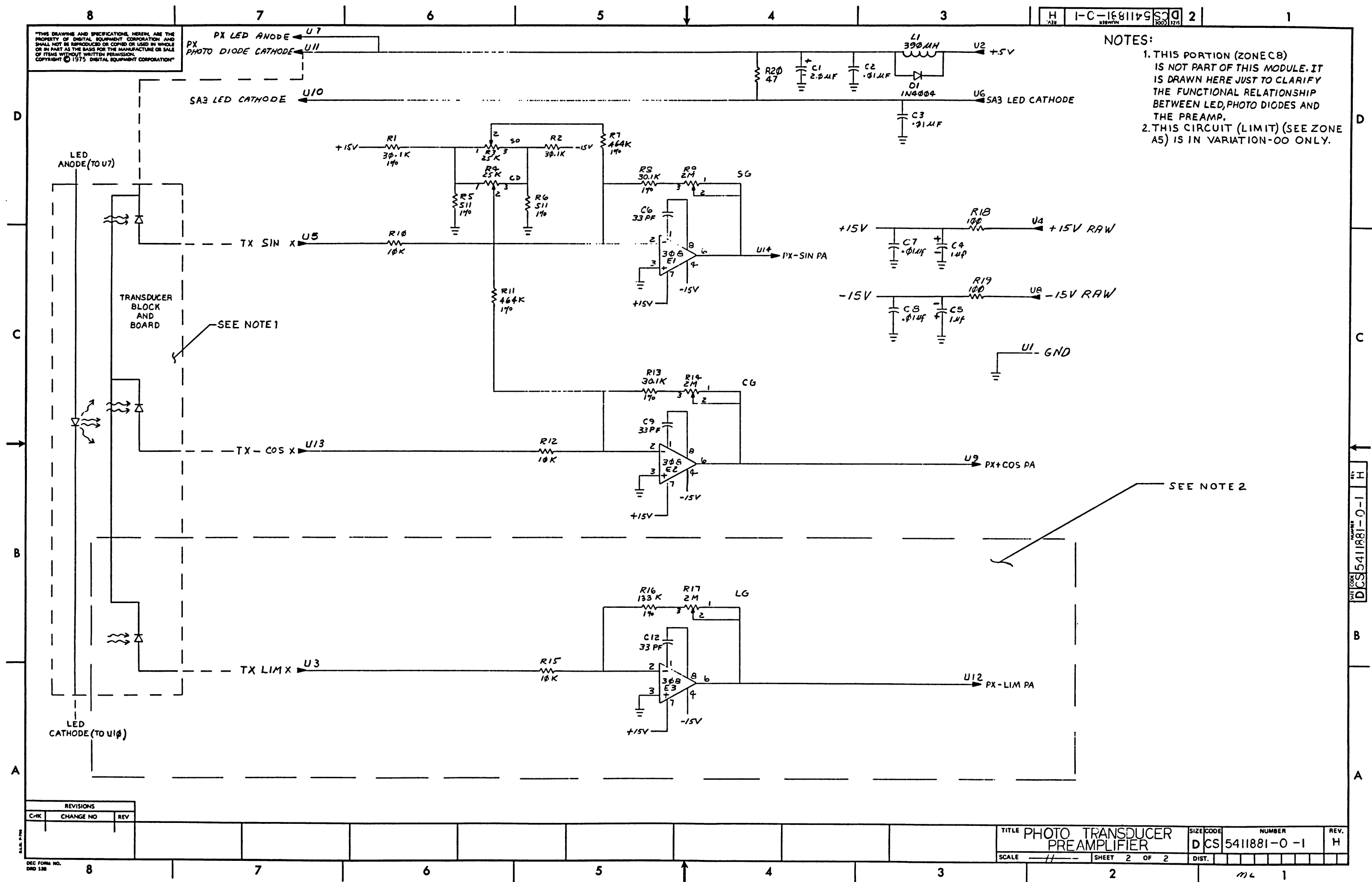
[illegible]

* 1. C12, R15, R16, R17, E3 ARE NOT USED OR INSTALLED IN YA VARIATION.



H		1-0-1681189		S20 2		1		
REF	REF	ASSY/DRILLING HOLE LAYOUT				D-AH-5411881-05		1
REF	REF	MODULE ECO HISTORY				B-MH-541188-C-6		2
1	1	ETCHED CIRCUIT BOARD				5011880		3
2	3	C6, C9, C12 *		CAP 33 PF 100V 5% DM		1000009-00		4
4	4	C2, C3, C7, C8		CAP .01UF 50V CER		1001610-00		5
2	2	C4, C5		CAP 1.0UF 35V STANT		1001776-00		6
1	1	C1		CAP 2.0UF 25V AL EL		1002174-00		7
2	3	R10, R12, R15 *		RES 10K 1/4W 5% CC		1300479-00		8
-	1	R16 *		RES 133K 1/4W 1% MF		1305130-00		9
2	2	R7, R11		RES 464K 1/4W 1% MF		1303043-00		10
4	4	R1, R2, R8, R13		RES 30.1K 1/4W 1% MC		1311594-00		11
2	2	R5, R6		RES 511 1/4W 1% MF		1302411-00		12
2	3	R9, R14, R17 *		RES 2MEG POT 3/4W 20% MC		1309143-19		13
2	2	R3, R4		RES 25K POT 3/4W 20% MC		1309143-12		14
2	2	R18, R19		RES 100 1/4W 5% CC		1300229-00		15
1	1	D1		DIODE 1N4004		1105796-00		16
1	1	L1		INDUCTOR 990UH		1602723-01		17
2	3	E1, E2, E3 *		IC LM308AN		1913035-00		18
1	1	R20		RES 47 1/4W 5% CC		1300202-00		19
YA 00								
QTY		REF. DESIGNATION		DESCRIPTION		PART NO.		ITEM NO.
PARTS LIST								
ETCH BOARD REV.		B						
				DRN. <i>M. J. Farnham</i>		DATE 5-21-75		digital
				CHKD. <i>W. J. Farnham</i>		DATE 10SEP75		
				ENG. <i>W. J. Farnham</i>		DATE 24 MAY 76		
				PROJ. ENG. <i>W. J. Farnham</i>		DATE 24 MAY 76		
				PROD. <i>W. J. Farnham</i>		DATE 5/21/76		
				NEXT HIGHER ASSY		11 --		TITLE
								PHOTO TRANSDUCER PREAMPLIFIER
DEC NO.		EIA NO.		SCALE		SIZE CODE		NUMBER
				11 --		D CS		5411881-0-1
SHEET		1		OF		2		REV.
								H
OR CONVERSION CHART								

[illegible]



8

7

6

5

4

3

2

1

THIS DRAWING AND SPECIFICATIONS, WHETHER OR NOT THE
DRAWING IS A REVISION, SHALL BE THE PROPERTY OF THE
DRAWING OFFICE AND SHALL REMAIN THE PROPERTY OF
THE DRAWING OFFICE AND SHALL NOT BE LOANED OR
REPRODUCED IN ANY MANNER WITHOUT THE WRITTEN
CONSENT OF THE DRAWING OFFICE.

COMPONENT SIDE VIEW

REWORK INSTRUCTIONS

ECO #1

- 1-1 CHANGE R51, R53, R54, AND R55
FROM 825 1% RESISTORS TO 909 1/4 W 1%
(P/N: 1302485-00)
1-2 CHANGE R57 FROM 4.7K TO
JUMPER (ZERO OHM RES) (P/N: 9009185-00)
1-3 CHANGE C16 FROM 27pF CAP. TO
10pF CAP. (P/N: 1000006-00)
1-4 CHANGE C17 FROM 18pF TO 27pF
CAP. (P/N: 1001739-00)
1-5 CHANGE L3 AND L4 FROM 10uH
CHOKES TO CHOKES TO 100 uH CHOKES.
(161062-00)

E.C.O. #2

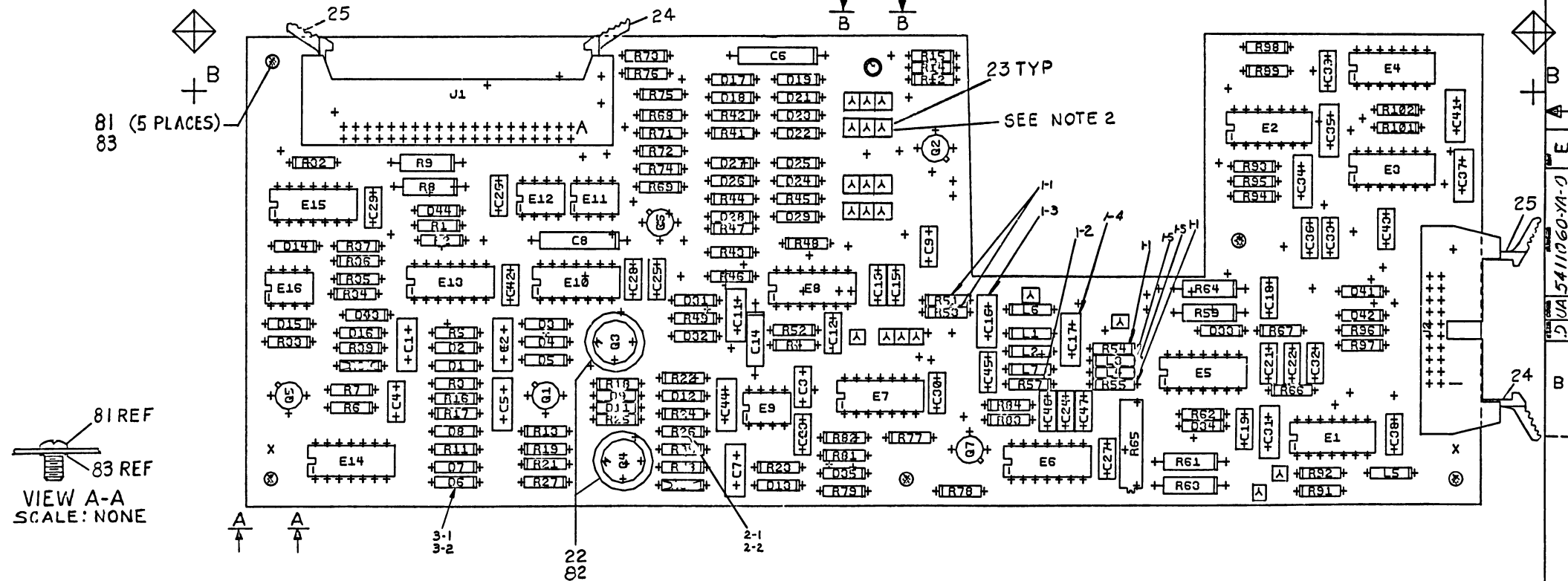
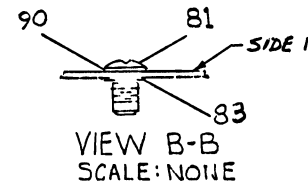
COMPONENT DELETES SIDE 1

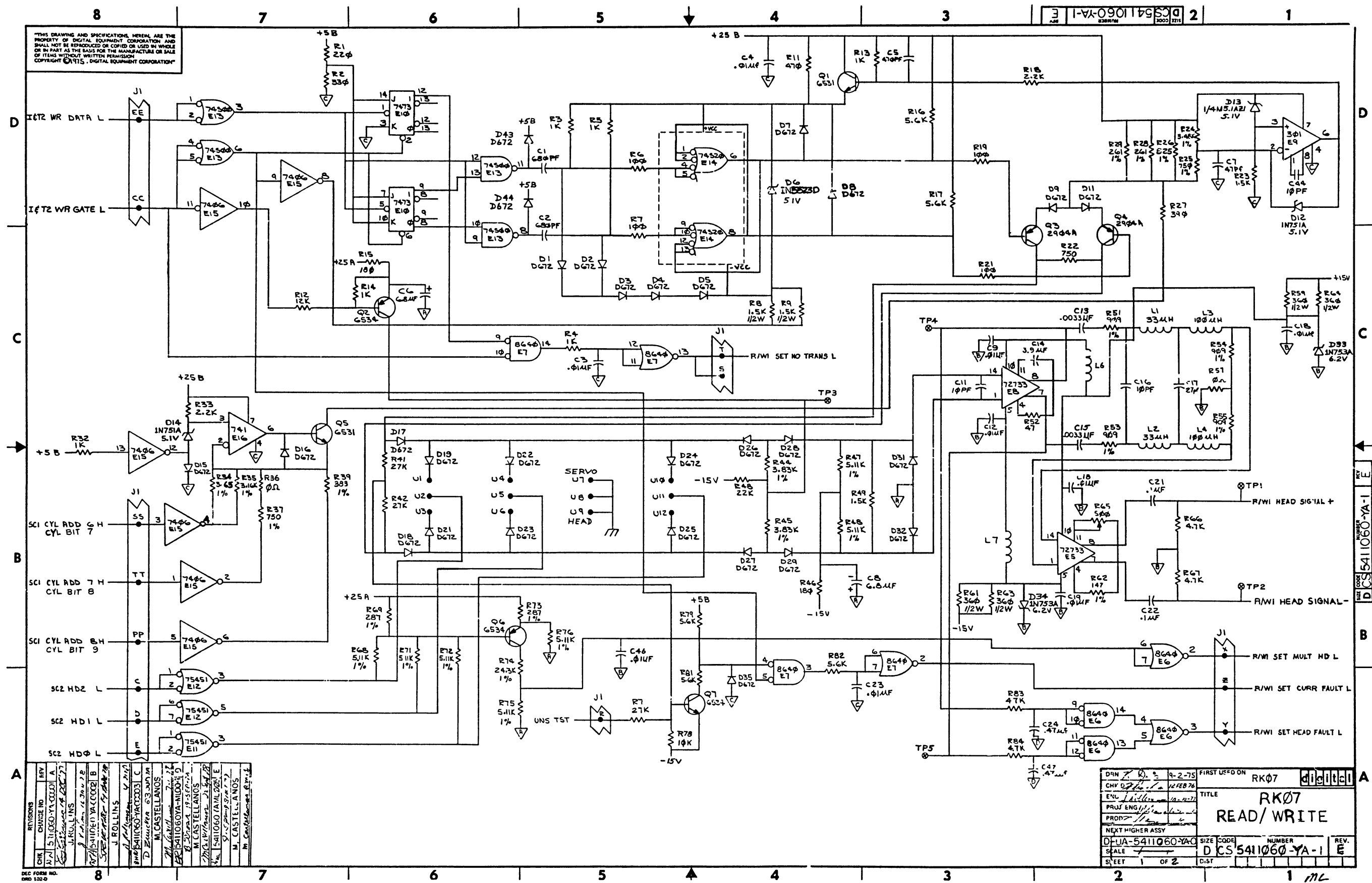
- 2-1: DELETE R26 (340Ω) (P/N#1304858)
COMPONENT ADDS SIDE 1:
2-2 ADD R26 (325Ω) (P/N#1305143)

ECO #3

COMPONENT DELETES SIDE 1:

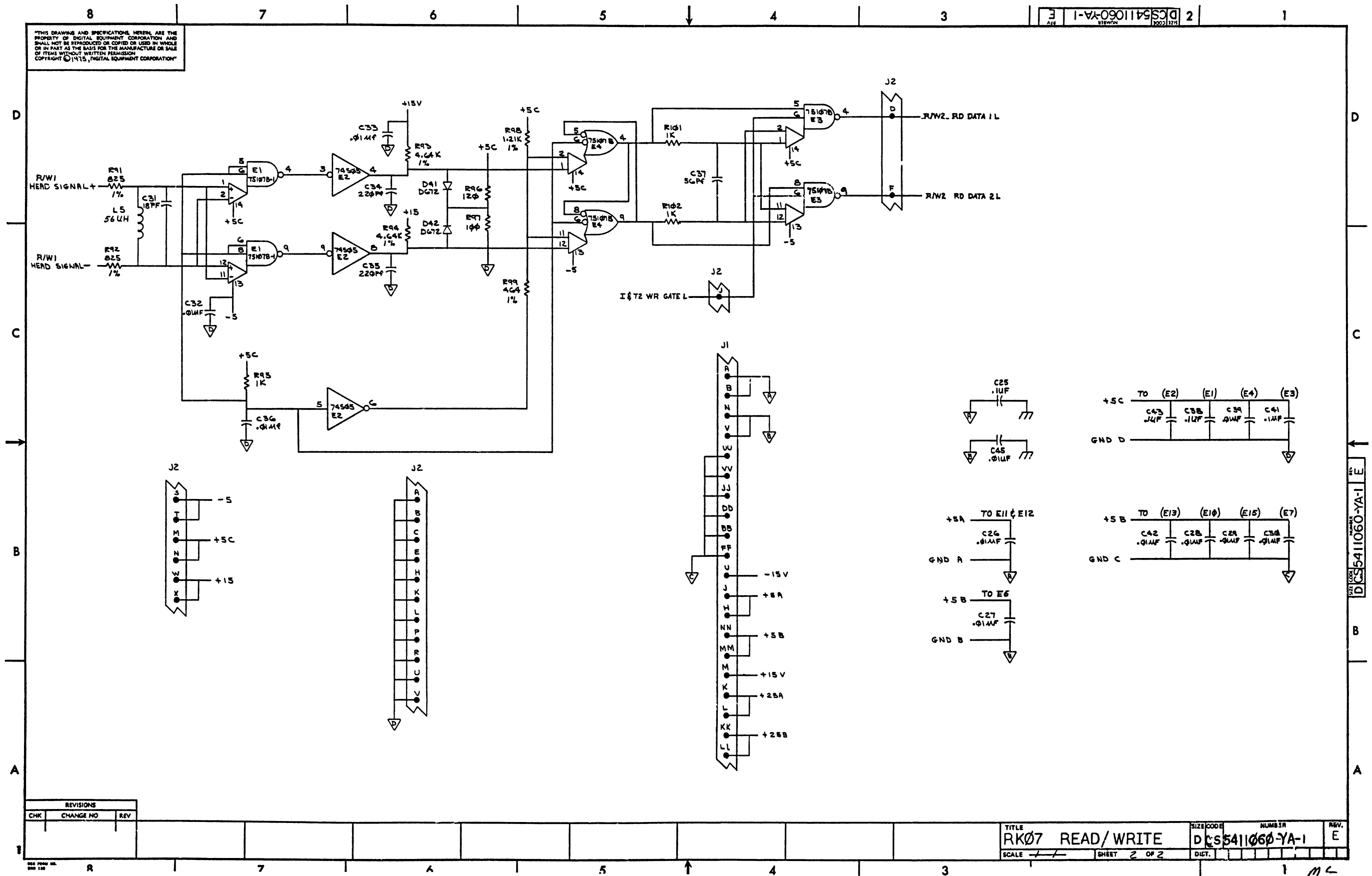
- 3-1. DELETE DIODE, ZENER 5.1V (P/N 1110994)
COMPONENT ADDS SIDE 1:
3-2. ADD DIODE, ZENER 5.1V (P/N 1113953)





DEC FORM NO. 132-0

DRN 7-0-2	9-2-75	FIRST USED ON	RK07
CHV 0-2-75	12 FEB 76	TITLE	RK07
ENL 0-2-75	12 FEB 76	PROJECT	READ/ WRITE
PROJ ENG 0-2-75	12 FEB 76	DESIGN	DCS 5411060-YA-1
PROP 0-2-75	12 FEB 76	REVISION	E
NEXT HIGHER ASSY		SIZE	1 OF 2
DCS 5411060-YA-1		NUMBER	1
SCALE		REV.	ML
SHEET			



SHEET A1 OF A3

REVISION HISTORY			BASIC PART NO: 5411060		DRN: K.DAVIS		DATE: 03-APR-78		D I G I T A L			
ENG	ECO NUMBER	REV	SECTION A OF A						TITLE PARTS LIST			
----	00002	B	SECTION VARIATION INDEX		CHK'D: R.W.		DATE: 03-APR-78		RK07 READ/WRITE			
B.F.	00003	C	[A] YA									
----	00004	D	[B]									
MC	5411060YA-ML005	E	[C]		DES.ENG: J.ROLLINS		DATE: 03-APR-78					
			[D]									
			[E]						DOCUMENT NUMBER			
			[F]		RESP.ENG.: J.ROLLINS		DATE: 03-APR-78					
			[H]						SIZE	CODE	NUMBER	REV
			[J]									
			[K]		MFG.ENG.: MC		DATE: 03-APR-78		K	PL	5411060-YA-DBP	E
			[L]									
			[M]		ASSEMBLY NUMBER:		TOP DOCUMENT NUMBER:		FILE NAME:		EDIT #	
			[N]		ID-UA-5411060-YA-0		RK07		Z1025E.PLS		13	

THIS DRAWING AND SPECIFICATIONS HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT (C) 1979. DIGITAL EQUIPMENT CORPORATION

AUTOMATED BY PRTLST.2D(11)

PARTS LIST

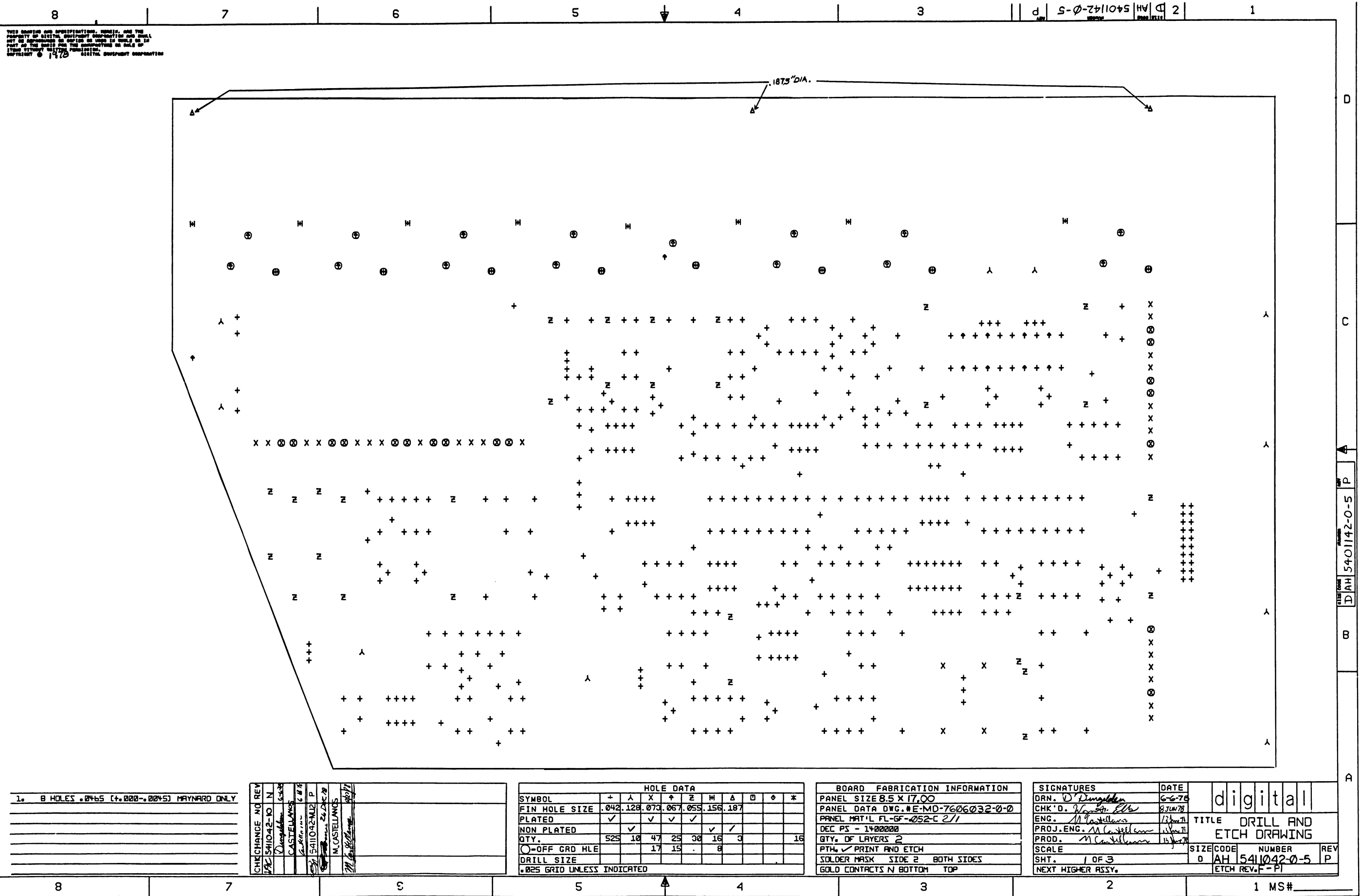
SHEET A2 OF A3

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION				QTY	PER VARIATION	REFERENCE DESIGNATOR
								14		
28	28		1300229-00	100	1/4W	5%	CC	5		R6,R7,R19,R21,R97
29	29		1300247-00	120	1/4W	5%	CC	1		R96
30	30		1300271-00	220	1/4W	5%	CC	1		R1
31	31		1300295-00	330	1/4W	5%	CC	1		R2
32	32		1300309-00	390	1/4W	5%	CC	1		R27
33	33		1300316-00	470	1/4W	5%	CC	1		R11
34	34		1300365-00	1	K 1/4W	5%	CC	9		R3,R4,R5,R13,R14,R32,R95,R101,
									CONT	R102
35	35		1300391-00	1.5	K 1/4W	5%	CC	2		R23,R49
36	36		1300394-00	1.5	K 1/2W	5%	CC	2		R8,R9
37	37		1300417-00	2.2	K 1/4W	5%	CC	2		R18,R33
38	38		1300447-00	4.7	K 1/4W	5%	CC	4		R66,R67,R83,R84
39	39		1300479-00	10	K 1/4W	5%	CC	1		R78
40	40		1300488-00	12	K 1/4W	5%	CC	1		R12
41	41		1301322-00	180	1/4W	5%	CC	2		R15,R46
42	42		1301808-00	22	K 1/4W	5%	CC	1		R43
43	43		1301874-00	5.6	K 1/4W	5%	CC	5		R16,R17,R79,R81,R82
44	44		1302383-00	360	1/2W	5%	CC	4		R59,R61,R63,R64
45	45		1302871-00	1.21	K 1/4W	1% RN55D-F	100PPM	1		R98
46	46		1302873-00	261	1/4W	1% RN55D-F	100PPM	2		R28,R29
47	47		1302955-00	750	1/4W	1% RN55D-F	100PPM	2		R25,R37
48	48		1303045-00	3.16	K 1/4W	1% RN55D-F	100PPM	2		R34,R35
49	49		1303047-00	464	1/4W	1% RN55D-F	100PPM	1		R99
50	50		1304854-00	5.11	K 1/4W	1% RN55D-F	100PPM	7		R47,R48,R68,R71,R72,R75,R76
51	51		1304856-00	4.64	K 1/4W	1% RN55D-F	100PPM	2		R93,R94
52	52		1305114-00	3.48	K 1/4W	1% RN55D-F	100PPM	1		R24
53	53		1302874-00	147	1/4W	1% RN55D-F	100PPM	1		R62
54	54		1305124-00	287	1/4W	1% RN55D-F	100PPM	2		R69,R73
55	55		1305125-00	383	1/4W	1% RN55D-F	100PPM	1		R39
56	56		1305143-00	825	1/4W	1% RN55D-F	100PPM	3		R26,R91,R92
57	57		1305346-00	27	K 1/4W	5%	CC	3		R41,R42,R77
58	58		1309143-06	500	3/4W	10% POT	100PPM	1		R65
59	59		1309418-00	24.3	K 1/4W	1% RN55D-F	100PPM	1		R74
60	60		1309413-00	3.83	K 1/4W	1% RN55D-F	100PPM	2		R44,R45
61	61		1501913-00	2N 2904A	PNP	600MW	SI 60 40 Y	2		Q3,Q4
62	62		1503409-02	DEC6534C	PNP	310MW	SI 40 70 P	2		Q2,Q6
63	63		1509338-00	DEC6531B	NPN	310MW	SI 40 90 P	3		Q1,Q5,Q7
64	64		1610662-00	100.0	UH	10% 165MA	#DD1 00	2		L3,L4
65	65		1612946-01	33	UH	10% 260MA		2		L1,L2
66	66		1610661-00	56	UH	10%	#DD56	1		L5
67	67		1611257-01	CHOKE(CERAMIC BEAD)AXIAL LEAD,ON				2		L6,L7
68	68		1905587-00	DEC	7473	FF-JK	DUAL,MASTER SL	1		E10
69	69		1910298-00		741	OP AMP	GEN PURP. COM	1		E16
70	70		1910268-00	DEC	75107B	RECEIVER	LINE,DUAL,	2		E3,E4
71	71		1910406-00		75451	DRIVER	PERIPH,DUAL,	2		E11,E12
72	72		1910532-00		74S00	NAND GATE-QUAD	2IN\$	1		E13
73	73		1910535-00		74S05	INVERTER GATE-HEX	1	1		E2
74	74		1910539-00		74S20	NAND GATE-DUAL	4INPU	1		E14

D	I	G	I	T	A	L	TITLE	SECTION A OF A	SIZE	CODE	DOCUMENT NUMBER	REV
							RK07 READ/WRITE				5411060-YA-DBP	E
									K	PL		

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION YA	REFERENCE DESIGNATOR
75	75		1910644-00	733 DIFFERENTIAL AMP,UID	2	E5,E8
76	76		1910741-01	7406N BUFFER,HEX	1	E15
77	77		1911469-00	DEC 8640 RECEIVER,BUS,QUAD,U	2	E6,E7
78	78		1910282-00	301AN OF AMP	1	E9
79	79		1910268-01	DEC 75107B-01 RECEIVER,LINE,DUA	1	E1
80	80		1301401-00	750 1/4W 5% CC	1	R22
81	81		7415620-01	SCREW CAPTIVE	6	
82	82		9007201-00	TRANSIPADS #10253	2	
83	83		9009271-00	RING, RETAINING, REINFORCED, FIT	6	
84	84		1000064-00	3.9MFD 10V 10% 150D S.TA	1	C14
85	85		1011740-01	3300.0 MMF 50V 10% CW15C CER.	2	C13,C15
86	86	B-DD-7012623-0-0		TESTER DOCUMENTS (PROTO)	REF	
87	87	B-DD-7012784-0-0		TESTER DOCUMENTS (PRODUCTION)	REF	
88	88		1010279-00	.47 MFD 25V 20% 2C023 CER.	2	C24,C47
89	89	B-MD-7417415-0-0	9006010-01	*** THIS ITEM IS NOT USED ***	-	
90	90		9006632-00	WASHER,LOCK,INT,.2600D X .120ID	1	
91	91		1302685-00	909 1/4W 1% RN55D-F 100PPM	4	R51,R53,R54,R55
92	92		1113953-00	1N 5523D VZ= 5.1 1%	1	D6

D	I	G	I	T	A	L	TITLE	SECTION A OF A	SIZE	CODE	DOCUMENT NUMBER	REV
							RK07 READ/WRITE				5411060-YA-DBP	E
									K	PL		



1. 8 HOLES .0465 (+.000-.0045) MAYNARD ONLY

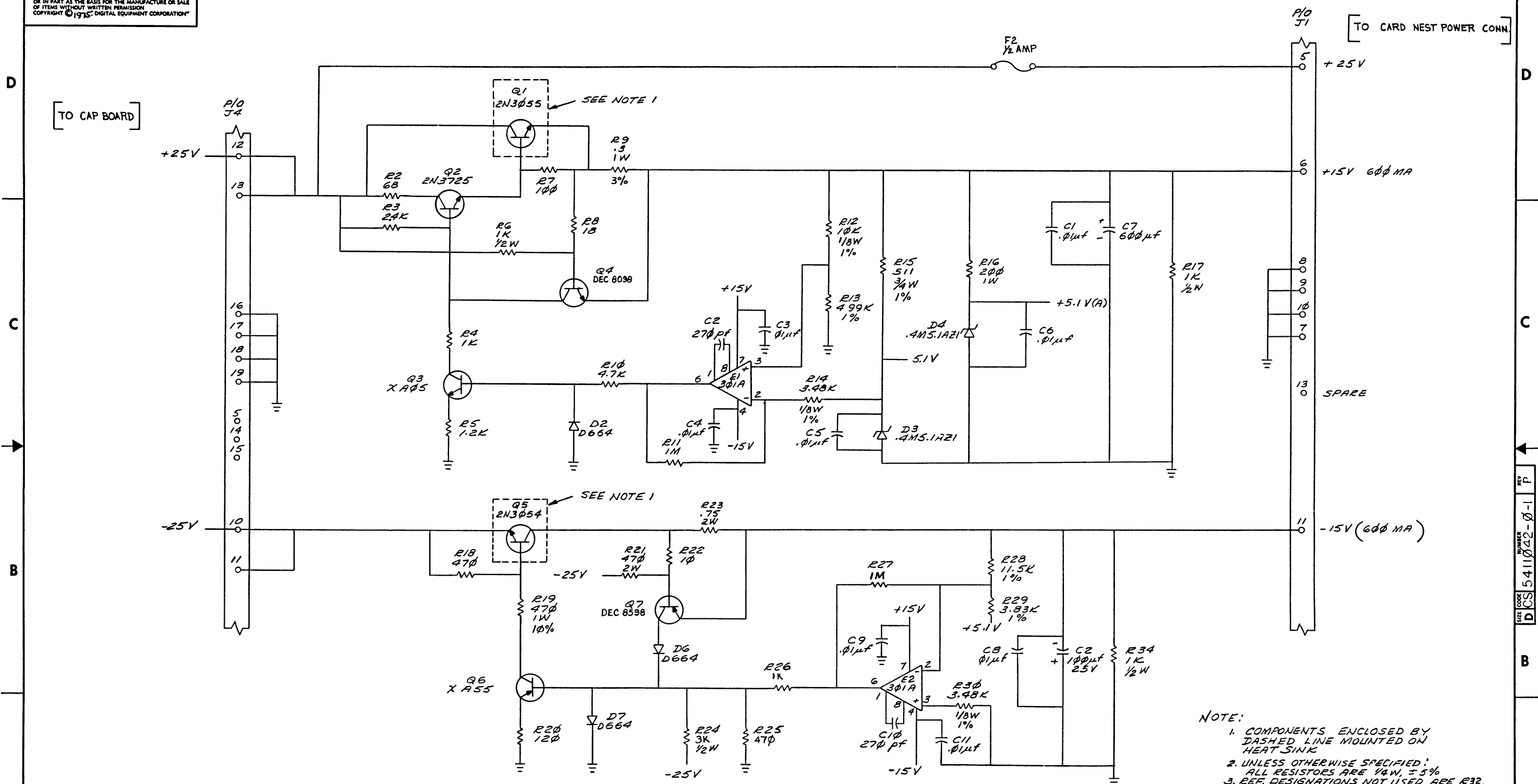
CHANGE NO	REV	DATE	BY	CHK'D	APP'D	DESCRIPTION
1	1	5/10/78	CASTELLANOS	CASTELLANOS	CASTELLANOS	
2	1	5/10/78	CASTELLANOS	CASTELLANOS	CASTELLANOS	
3	1	5/10/78	CASTELLANOS	CASTELLANOS	CASTELLANOS	
4	1	5/10/78	CASTELLANOS	CASTELLANOS	CASTELLANOS	
5	1	5/10/78	CASTELLANOS	CASTELLANOS	CASTELLANOS	
6	1	5/10/78	CASTELLANOS	CASTELLANOS	CASTELLANOS	
7	1	5/10/78	CASTELLANOS	CASTELLANOS	CASTELLANOS	
8	1	5/10/78	CASTELLANOS	CASTELLANOS	CASTELLANOS	
9	1	5/10/78	CASTELLANOS	CASTELLANOS	CASTELLANOS	
10	1	5/10/78	CASTELLANOS	CASTELLANOS	CASTELLANOS	

HOLE DATA											
SYMBOL	+	-	X	+	Z	M	A	Q	Q	Q	*
FIN HOLE SIZE	.042	.128	.073	.067	.055	.156	.187				
PLATED	✓	✓	✓	✓	✓	✓	✓				
NON PLATED		✓				✓	✓				
QTY.	525	10	47	25	30	16	3				16
○-OFF GRD HLE			17	15		8					
DRILL SIZE											
.025 GRID UNLESS INDICATED											

BOARD FABRICATION INFORMATION	
PANEL SIZE	8.5 X 17.00
PANEL DATA DWG.	#E-MD-7606032-0-0
PANEL MAT'L FL-GF	-052-C 2/1
DEC PS	- 1400000
QTY. OF LAYERS	2
PTH.	✓ PRINT AND ETCH
SOLDER MASK	SIDE 2 BOTH SIDES
GOLD CONTACTS	N BOTTOM TOP

SIGNATURES		DATE	digital			
DRN.	D. Dingledine	6-6-78				
CHK'D.	M. Castellanos	8 JUN 78				
ENG.	M. Castellanos	12 JUN 78	TITLE DRILL AND			
PROJ. ENG.	M. Castellanos	13 JUN 78	ETCH DRAWING			
PROD.	M. Castellanos	13 JUN 78				
SCALE			SIZE	CODE	NUMBER	REV
SHT.	1 OF 3		0	AH	541042-0-5	P
NEXT HIGHER ASSY.			ETCH REV. F - P			

"THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1975, DIGITAL EQUIPMENT CORPORATION"



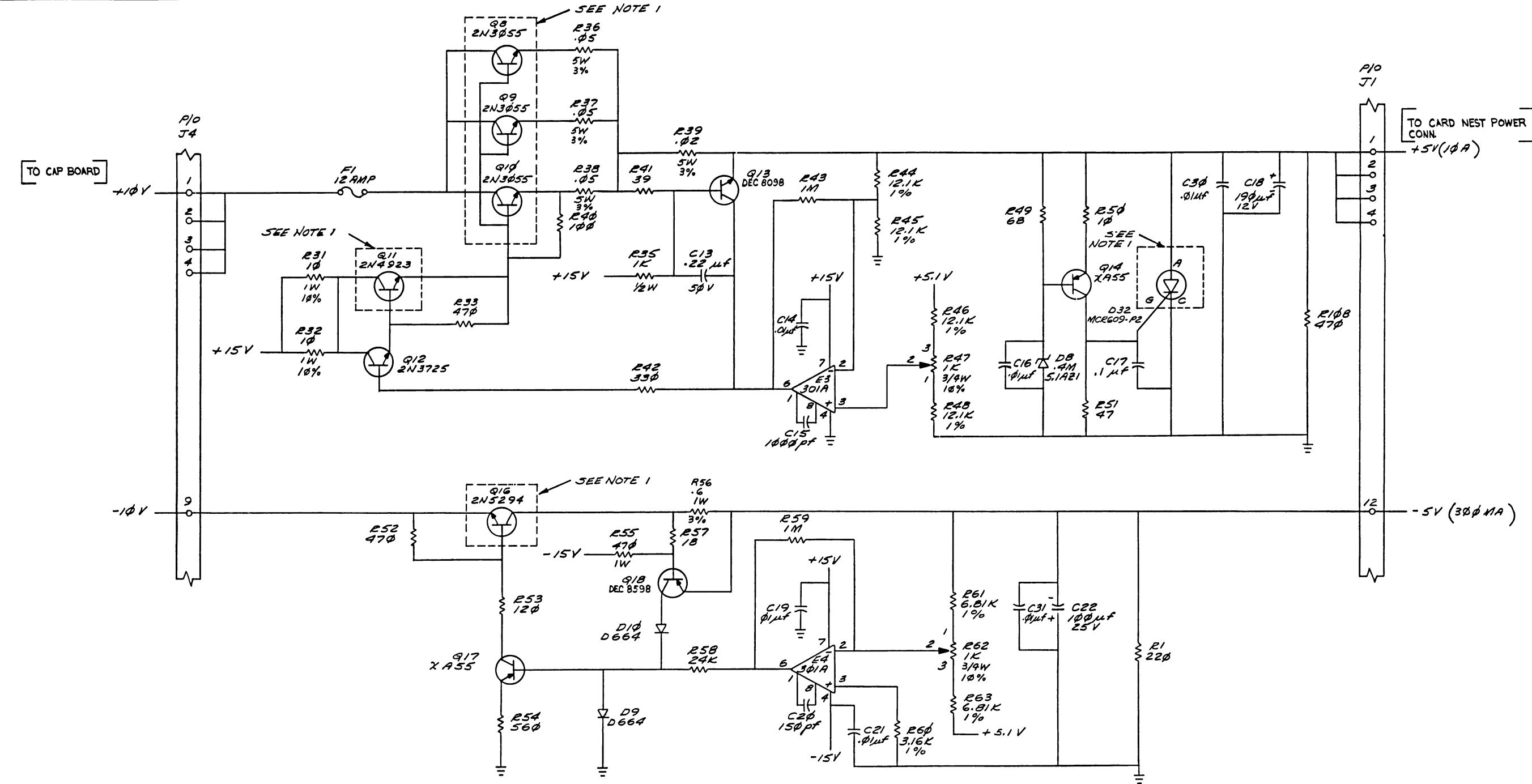
NOTE:
1. COMPONENTS ENCLOSED BY DASHED LINE MOUNTED ON HEAT SINK
2. UNLESS OTHERWISE SPECIFIED: ALL RESISTORS ARE 1/4W, ± 5%
3. REF. DESIGNATIONS NOT USED ARE R32, D1, D5, Q15, R97, R98, R101, R102

ETCH BOARD F		FIRST USED ON	
DRN P	Metzger	9/3/75	RK06
CHK'D	Metzger	11/10/75	
ENG	Metzger	11/10/75	
PROD ENG	Metzger	11/10/75	
PROD	Metzger	11/10/75	
NEXT HIGHER ASSY		TITLE	
D-UA-5411042-00		H 767 POWER SUPPLY (PS1)	
SCALE	D C S I	SIZE CODE	NUMBER
SHEET 1	OF 4	DIST	REV P

REVISIONS		CHANCE NO	REV
1	5411042-00001	D	
2	5411042-00002	E	
3	5411042-00003	F	
4	5411042-00004	G	
5	5411042-00005	H	
6	5411042-00006	I	
7	5411042-00007	J	
8	5411042-00008	K	
9	5411042-00009	L	
10	5411042-00010	M	
11	5411042-00011	N	
12	5411042-00012	P	
13	5411042-00013	Q	
14	5411042-00014	R	
15	5411042-00015	S	
16	5411042-00016	T	
17	5411042-00017	U	
18	5411042-00018	V	
19	5411042-00019	W	
20	5411042-00020	X	
21	5411042-00021	Y	
22	5411042-00022	Z	
23	5411042-00023	A	
24	5411042-00024	B	
25	5411042-00025	C	
26	5411042-00026	D	
27	5411042-00027	E	
28	5411042-00028	F	
29	5411042-00029	G	
30	5411042-00030	H	
31	5411042-00031	I	
32	5411042-00032	J	
33	5411042-00033	K	
34	5411042-00034	L	
35	5411042-00035	M	
36	5411042-00036	N	
37	5411042-00037	O	
38	5411042-00038	P	
39	5411042-00039	Q	
40	5411042-00040	R	
41	5411042-00041	S	
42	5411042-00042	T	
43	5411042-00043	U	
44	5411042-00044	V	
45	5411042-00045	W	
46	5411042-00046	X	
47	5411042-00047	Y	
48	5411042-00048	Z	
49	5411042-00049	A	
50	5411042-00050	B	
51	5411042-00051	C	
52	5411042-00052	D	
53	5411042-00053	E	
54	5411042-00054	F	
55	5411042-00055	G	
56	5411042-00056	H	
57	5411042-00057	I	
58	5411042-00058	J	
59	5411042-00059	K	
60	5411042-00060	L	
61	5411042-00061	M	
62	5411042-00062	N	
63	5411042-00063	O	
64	5411042-00064	P	
65	5411042-00065	Q	
66	5411042-00066	R	
67	5411042-00067	S	
68	5411042-00068	T	
69	5411042-00069	U	
70	5411042-00070	V	
71	5411042-00071	W	
72	5411042-00072	X	
73	5411042-00073	Y	
74	5411042-00074	Z	
75	5411042-00075	A	
76	5411042-00076	B	
77	5411042-00077	C	
78	5411042-00078	D	
79	5411042-00079	E	
80	5411042-00080	F	
81	5411042-00081	G	
82	5411042-00082	H	
83	5411042-00083	I	
84	5411042-00084	J	
85	5411042-00085	K	
86	5411042-00086	L	
87	5411042-00087	M	
88	5411042-00088	N	
89	5411042-00089	O	
90	5411042-00090	P	
91	5411042-00091	Q	
92	5411042-00092	R	
93	5411042-00093	S	
94	5411042-00094	T	
95	5411042-00095	U	
96	5411042-00096	V	
97	5411042-00097	W	
98	5411042-00098	X	
99	5411042-00099	Y	
100	5411042-00100	Z	

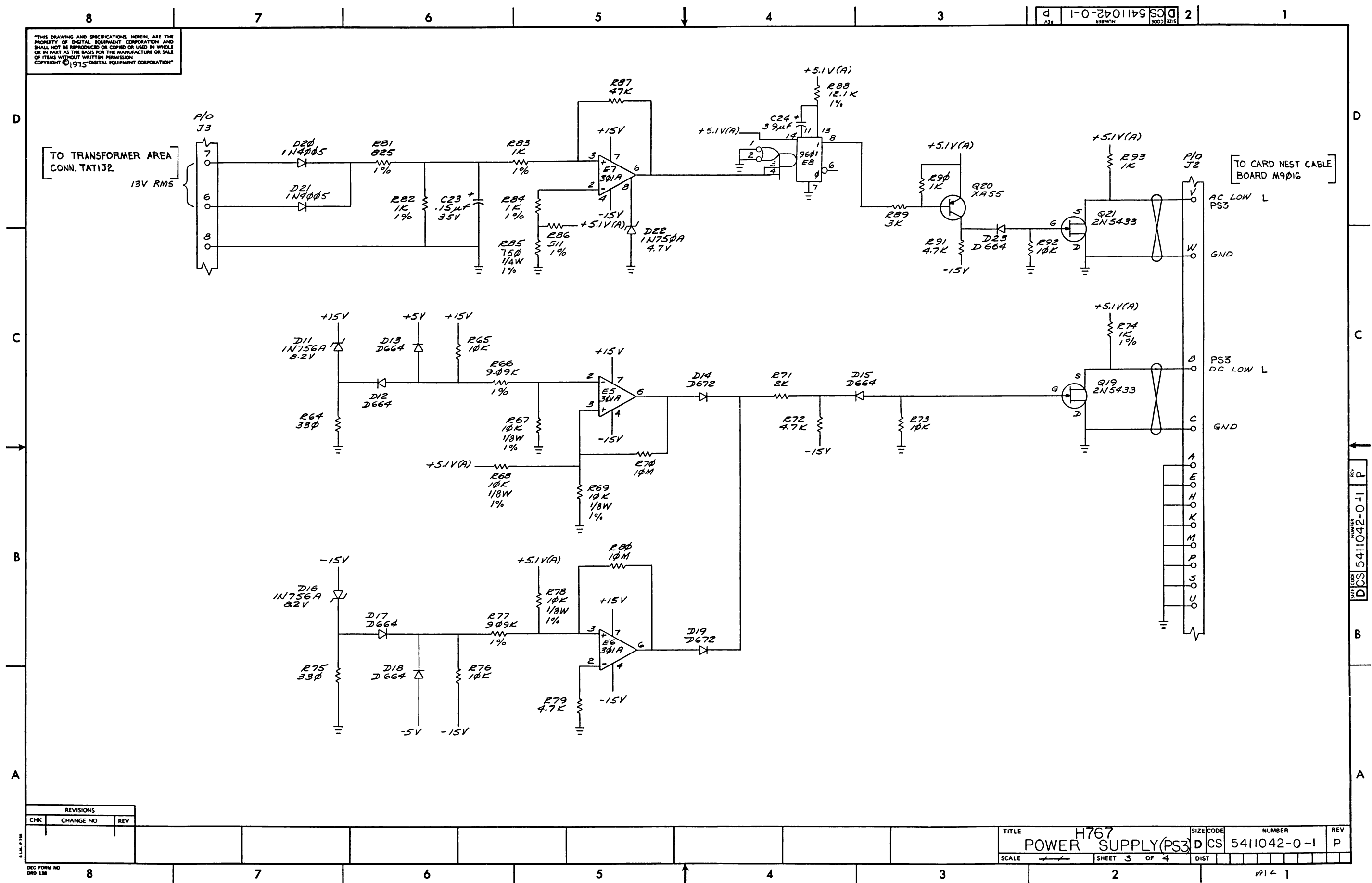
THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1975 DIGITAL EQUIPMENT CORPORATION

DCS 5411042-0-1
REV. P

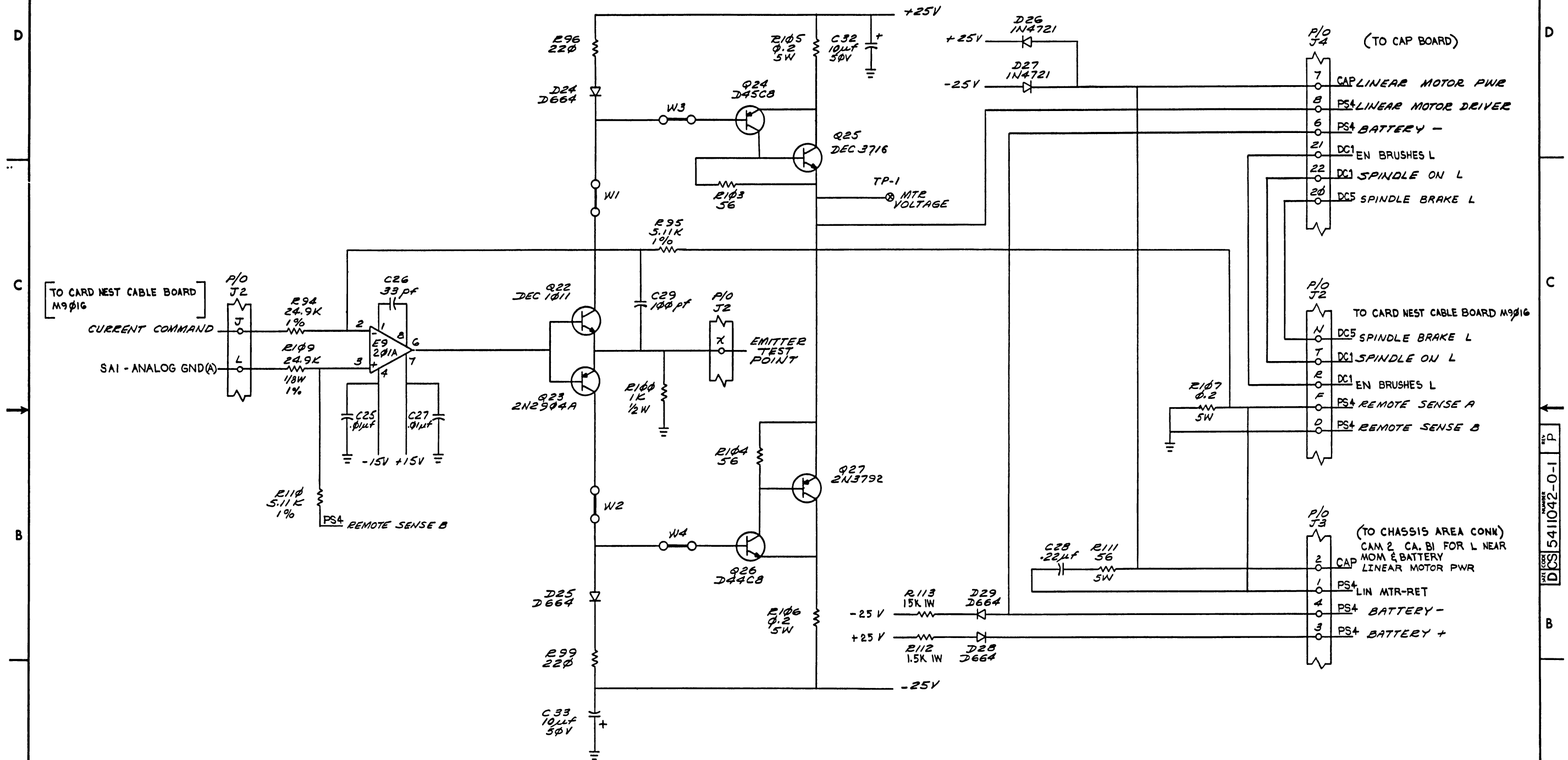


REVISIONS		
CHK	CHANGE NO	REV

DEC FORM NO DRO 138	8	7	6	5	4	3	2	1	TITLE H767 POWER SUPPLY (PS2)	SIZE/CODE DCS	NUMBER 5411042-0-1	REV. P
SCALE							SHEET 2 OF 4	DIST				



"THIS DRAWING AND SPECIFICATIONS HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1975 DIGITAL EQUIPMENT CORPORATION"



REVISIONS		
CHK	CHANGE NO	REV

DEC FORM NO DND 130

TITLE		SIZE CODE	NUMBER	REV.
H767 POWER SUPPLY (PS4)		DCS	5411042-0-1	P
SCALE	SHEET 4 OF 4	DIST.		

M L 1

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY	REFERENCE DESIGNATOR
1	1	D-CS-5411042-P-1		H767 POWER SUPPLY	REF	
2	2	T-AH-5411042-G-5		ASSY/DRILLING HOLE LAYOUT	REF	
3	3	R-MH-5411042-P-6		MODULE ECO HISTORY	REF	
4	4		5011041-00	54-11042	REF	
5	5		1310876-03	.05 5W 3%	3	R36-R38
6	6		1312683-00	.3 1W 3%	1	R9
7	7		1311467-00	.75 2W 5%	1	R23
8	8		1312684-00	.6 1W 3%	1	R56
9	9		1301317-00	1W 1/4W 5%	2	R50,R22
10	10		1300171-00	1W 1W 5%	2	R31,R32
11	11		1300202-00	47 1/4W 5%	1	R51
12	12		1300219-00	68 1/4W 5%	2	R2,R49
13	13		1300229-00	100 1/4W 5%	2	R7,R40
14	14		1305143-00	825 1/4W 1% RN55D-F 100PPM	1	R81
15	15		1300316-00	*** THIS ITEM IS NOT USED ***	-	
16	16		1302362-00	200 1W 5%	1	R16
17	17		1300271-00	220 1/4W 5%	3	R1,R96,R90
18	18		1300295-00	330 1/4W 5%	3	R42,R64,R75
19	19		1300316-00	470 1/4W 5%	5	R18,R33,R52,R108,R25
20	20		1300319-00	470 1W 5%	1	R19
21	21		1302411-00	511 1/4W 1% RN55D-F 100PPM	1	R86
22	22		1300324-00	511 3/4W 1% RN65D-F 100PPM	1	R15
23	23		1302685-00	909 1/4W 1% RN55D-F 100PPM	1	R85
24	24		1300365-00	1 K 1/4W 5%	4	R4,R90,P93,R26
25	25		1303114-00	1.0 K 1/4W 1% RN55D-F 100PPM	4	R74,R82,R83,R84
26	26		1309143-07	1 K 3/4W 10% POT 100PPM	2	R47,R62
27	27		1301320-00	1.2 K 1/4W 5%	1	R5
28	28		1300364-00	1 K 1/2W 5%	5	R35,R6,R17,P34,R100
29	29		1302388-00	2 K 1/4W 5%	1	R71
30	30		1303062-00	470 2W 5%	1	R21

REVISION HISTORY			SECTION 1 OF 1	RESP.ENG.: J.DREW	DATE: 17-JUL-78	DIGITAL									
ENG	ECO NUMBER	REV	SECTION, VARIATION INDEX				TITLE		PARTS LIST						
WE	100010	N			MADE BY: L.METZGER		DATE: 17-JUL-78								
M.C	5411042-MD012	P	1.00												
			2.												
			3.		CHECKED: H.DAMAKJIAN		DATE: 17-JUL-78		H767 POWER SUPPLY						
			4.												
			5.												
			6.		DSN.ENG.: J.DREW		DATE: 17-JUL-78								
			7.												
			8.												
			9.		PROD.: C.POWELL		DATE: 17-JUL-78		K PL 5411042-0-DBP						
			10.												
			11.												
			12.		ASSEMBLY NUMBER: D-UA-5411042-0-0				PART NUMBER: 5411042						
									EDIT # 6						

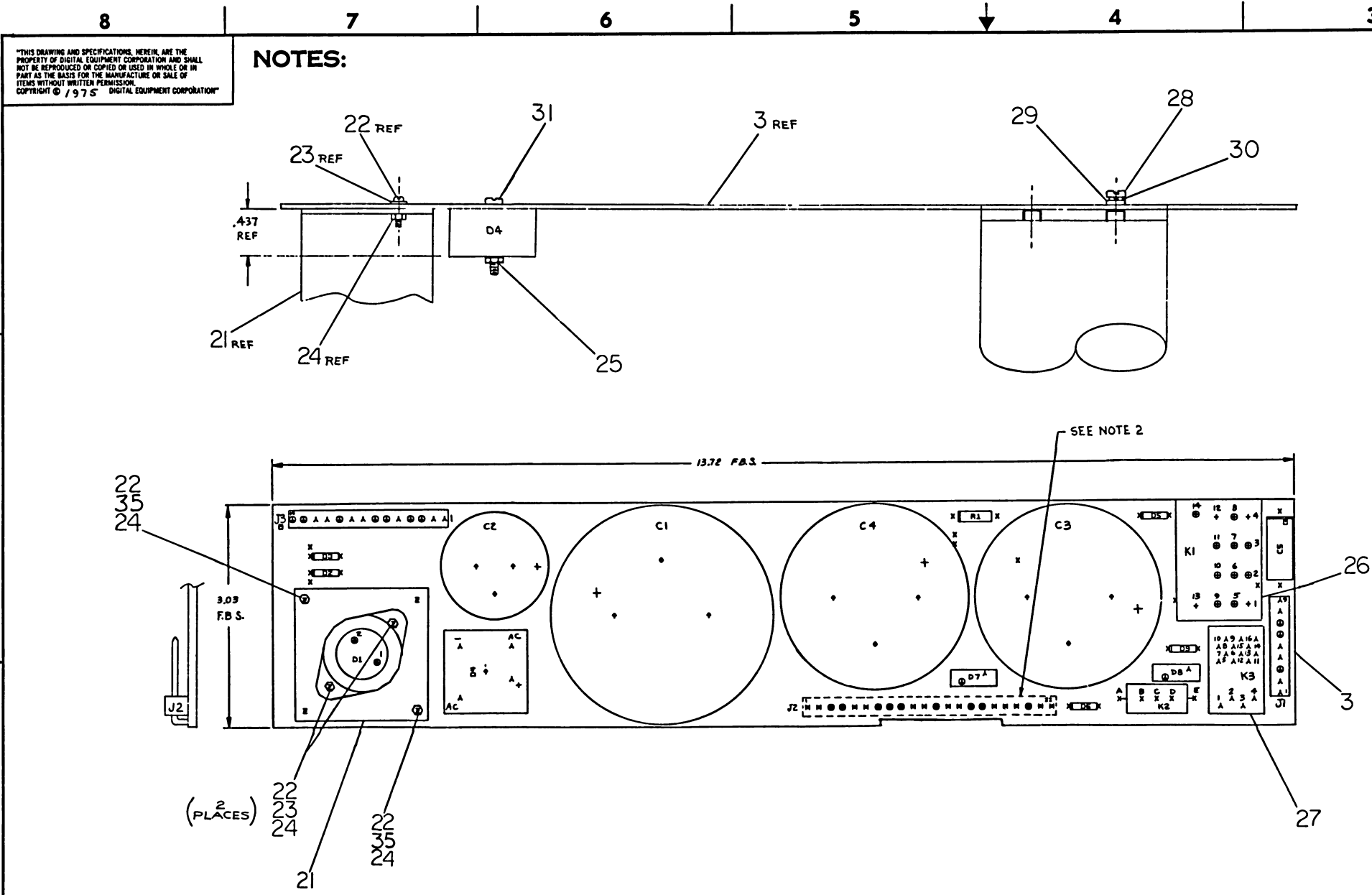
"THIS DRAWING AND SPECIFICATIONS HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION.
COPYRIGHT 1978, DIGITAL EQUIPMENT CORPORATION "

LINE ITEM		DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY	REFERENCE DESIGNATOR
78	78		1100114-00	D 664 QS\75PC8 PIV= 25V SP	15	D2,D6,D7,D9,D10,D12,D13,D15,D17,D18,D23,
					CONT	D24,D25,D28,D29
79	79		1105275-00	D 672 TP= 15WS PIV= 60V ST	2	D14,D19
80	80		1100124-00	1N 750A VZ= 4.7 5% .40W P	1	D22
81	81		1103441-00	1N 756A VZ= 8.2 5% .40W P	2	D11,D16
82	82		1105873-00	4M5-1A71 VZ= 5.1 1% .400W	3	Q3,Q4,Q8
83	83		1110967-00	1N 4005 PIV=600 I= 1A D041 SI	2	D20,D21
84	84		1110182-00	1N 4721 PIV=200 I= 3A A179ASY	2	D26,D27
85	85		1505019-00	2N 3055 NPN 115WC SI 60 20 Y	4	Q1,Q8,Q9,Q10
86	86		1510959-00	2N 3725 NPN 3.5WC SI 50 60 P	2	Q2,Q12
87	87		1510705-00	XA 05 NPN 500MW SI 60 50 P	1	Q3
88	88		1510377-00	2N 5294 NPN 36WC SI 70 30 M	1	Q16
89	89		1509604-00	DEC4923 NPN 30WC SI 80 20 M	1	Q11
90	90		1510706-00	XA 55 PNP 500MW SI 60 50 P	4	Q6,Q14,Q17,Q20
91	91		1509523-00	2N 3054 NPN 25WC SI 55 25 Y	1	Q5
92	92		1501913-00	2N 2904A PNP 600MW SI 60 40 Y	1	Q23
93	93		1510013-00	DEC1011 NPN 5WC SI 55 25 P	1	Q22
94	94		1510598-00	DEC4508 PNP 27WT SI 60 20 Y	1	Q24
95	95		1510421-00	D 44CR NPN 30WT SI 60 20	1	Q26
96	96		1503069-00	DEC3716 NPN	1	Q25
97	97		1509581-01	2N 3792 PNP 150WC SI 80 30 M	1	Q27
98	98		1511686-00	DEC5433 FET N 350MW 10 25 1A	2	Q19,Q21
99	99		1910282-00	301AN OP AMP	7	E1-E7
100	100		1909373-00	9601 ONE SHOT,KETRIGGERAB	1	E8
101	101		9009290-00	FUSE, SLO BLOW, 12.000A, 32V, G	1	F1
102	102		1209941-06	HEADER.100 20POS RT ANGLE	1	J2
103	103		1212204-06	HEADER.156 8POS RT ANGLE	1	J3
104	104		1212204-07	HEADER.156 13POS RT ANGLE	1	J1
105	105		1212204-05	HEADER.156 22POS RT ANGLE	1	J4
106	106		1212487-00	HEAT SINK,1"X1.18X.5",XSTISOR&SC	2	
107	107		1212957-00	HEAT SINK,RK05 140WATTS W500FT/M	1	
108	108		9000419-00	WASHER, FLAT, THERMAFILM .002THK	7	
109	109		9007201-00	TRANSIPADS #10253	4	
110	110		9006735-00	EYELET, FUNNEL FLANGE, .059 OD X	9	
111	111		9009786-00	INSULATOR, SEMICONDUCTOR, FOR TO	1	
112	112		9008268-00	COMPOUND, THERMAL JOINT S	A/R	
113	113		1209941-04	HEADER RT ANGLE,RIGHT	1	
114	114		1209941-03	HEADER RT ANGLE LEFT L	1	
115	115		9007203-00	CLIP, FUSE, WITH STOP, SCREW MOU	2	
116	116		9107562-01	WIFF,BUSS,22AWG	4	w1-w4
117	117		9009597-00	INSULATOR, THERMA-FILM S	2	
118	118		9006732-00	EYELET, ROLLED FLANGE, .121 OD X	2	
119	119		9007793-01	SCREW,PAN ,PHIL, 6-32X 9/16	16	
120	120		9008185-00	NUT,KEP , 6-32X1/4 AF	16	
121	121		9006653-00	WASHER, FLAT, .375 O.D. X .156 I	13	
122	122		9006012-01	SCREW,PAN ,PHIL, 4-40X 7/16	2	
123	123		9006655-00	WASHER, FLAT, .312 O.D. X .125 I	5	
124	124		9006557-00	NUT,KEP , 4-40X 1/4 AF	4	

D	I	G	I	T	A	L	TITLE	SECTION	1	OF	1	SIZE	CODE	DOCUMENT NUMBER	REV
							H767 POWER SUPPLY					K	PL	5411042-0-URP	P

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY	REFERENCE DESIGNATOR
125	125		9008033-01	SCREW,PAN ,PHIL, 4-40X 9/16	2	
126	126		9009769-00	WASHER, RECTANGULAR .405X.225X.0	3	
127	127		1010978-36	.1 MFD 50V 10% 2C067 CER	1	C17
128	128		1209159-00	FUSE, SUB-MINI, .500A, 125V, A	1	F2
129	129		9107278-11	*** THIS ITEM IS NOT USED ***	-	
130	130		1512212-00	DEC8098 NPN 350MW SI 60 50	2	Q4,Q13
131	131		1512211-00	DEC8598 PNP 350MW SI 60 50	2	Q7,Q18
132	132		9107688-22	*** THIS ITEM IS NOT USED ***	-	
133	133		9006708-00	WASHER, NYLON, FLAT #8 .375 OD	3	
134	134		1911143-00	DEC 201A OP AMP	1	E9

D	I	G	I	T	A	L	TITLE	SECTION	1	OF	1	SIZE	CODE	DOCUMENT NUMBER	REV
							H767 POWER SUPPLY					K	PL	5411042-0-05P	P

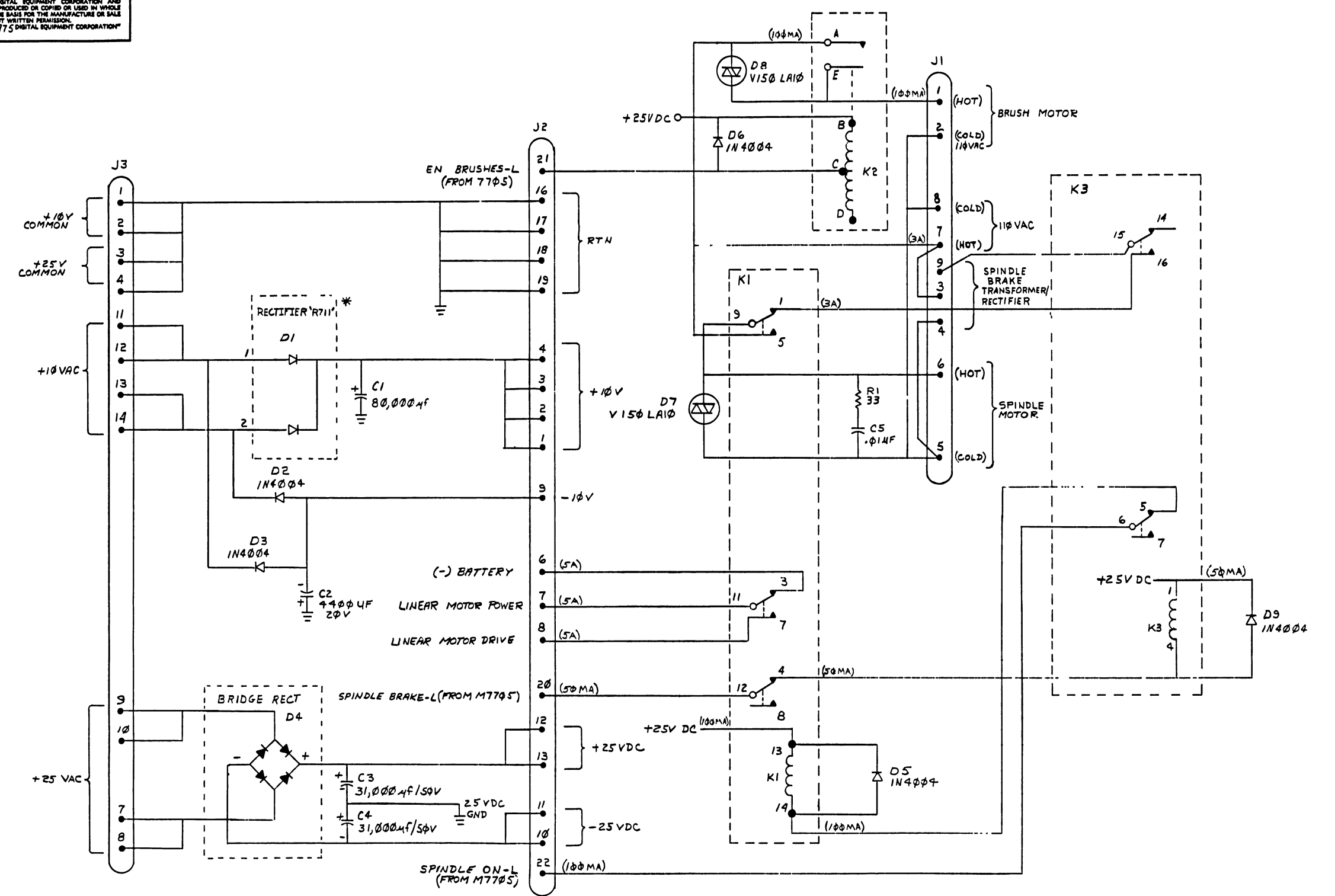


REF		ASSY / DRILLING HOLE LAYOUT	D-AH-5411040-05	1
REF		MODULE ECO HISTORY	B-MN-5411040-06	2
1		ETCHED CIRCUIT BOARD	5011039	3
1 C2		CAP. 4,400 μ F 20V ELEC	1010424 - 00	4
2 C3, C4		CAP. 31,000 μ F 50V ELEC	1010858 - 00	5
1 C1		CAP. 80,000 μ F 25V ELEC	1009190 - 00	6
5 D2, D3, D5, D6, D9		DIODE 1N4004	1105796 - 00	7
1 D1		DIODE R711 RECTIFIER	1112723 - 00	8
2 D7, D8		VARIATOR V150 LA10	1311996 - 00	9
1 D4		DIODE N553514 RECTIFIER	1110714 - 00	10
1 K2		RELAY, REED 48V 500MA	1211179 - 00	11
1 XK1		RELAY, SOCKET	1212875 - 00	12
1 K1		RELAY, SIGMA 76RA-24DC-SCO	1212793 - 00	13
1 XK3		RELAY, SOCKET P+B 27E129	1212874 - 00	14
1 K3		RELAY P+B R10-E1-X4-V700	1212719 - 00	15
1 R1		RES. 33 1/2 W 57.	1300195 - 00	16
1 C5		CAP. .01 μ F 600V	1002938 - 00	17
1 J1		CONN, HEADER (9 PIN)	1212619 - 01	18
1 J2		CONN, HEADER (22 PIN)	1212204 - C5	19
1 J3		CONN, HEADER (14 PIN)	1212619 - 02	20
1		HEAT SINK	1210012 - 01	21
4		SCREW, PPH 6-32 X 1/2	9006024 - 01	22
2		WASHER, FLAT .375 O.D X .156 I.D. X .036	9006653 - 00	23
4		NUT, KEP 6-32 X 1/4 AF	9008185 - 00	24
1		NUT, KEP 8-32	9006563 - 00	25
1		HOLD DOWN SPRING (FOR K1)	1213005 - 00	26
1		HOLD DOWN SPRING (FOR K3)	1213006 - 00	27
8		SCREW, PPH 10-32 X 5/16	9006070 - 01	28
8		WASHER, FLAT .437 O.D. X .187 I.D. X .032	9006661 - 00	29
8		WASHER, LOCK INTERNAL TOOTH #10	9006635 - 00	30
1		SCREW, PPH 8-32 X 3/4	9006041 - 01	31
A/R		THERMAL COMPOUND	9008268	32
A/R		WIRE, BUE 22 AWG	1107560 - 01	33
A/R		TUBING, TEFCON	1107236 - 00	34
2		WASHER, NYLON	9006713	35
A/R		URETHANE, CLEAR	49-01255	36
QTY		REF. DESIGNATION	DESCRIPTION	PART NO.
ITEM NO				
PARTS LIST				
ETCH BOARD REV E				
DRN. Silvia		DATE 9-4-75		digital
CHK'D [Signature]		DATE 2 FEB 76		
ENG. [Signature]		DATE 11-11		
PROJ. ENG. [Signature]		DATE 12-22		
PROD. [Signature]		DATE 12-22		
NEXT HIGHER ASSY				
DEC NO		EIA NO		SIZE CODE
CONVERSION CHART		SHEET 1 OF 2		NUMBER
				REV.
				D CS 5411040-0-1 J
				DIST.

IC TYPE	GND	+5V
GND AND 5V ARE USUALLY PIN 7 AND 14 RESPECTIVELY EXCEPTIONS ARE STATED ABOVE		
IC PIN LOCATIONS		

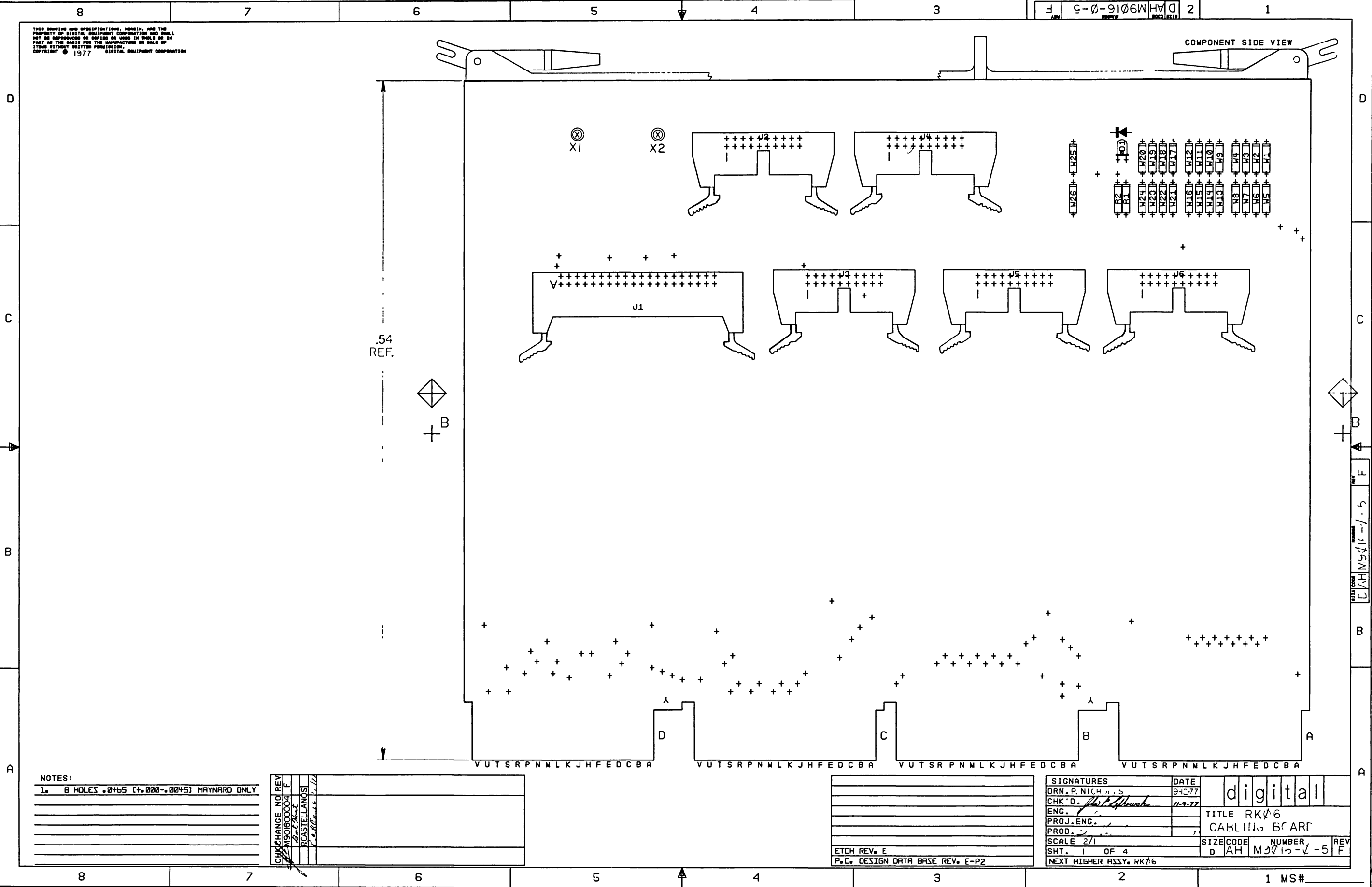
DRN. Silvia	DATE 9-4-75
CHK'D	DATE 2 FEB 76
ENG.	DATE 11-11
PROJ. ENG.	DATE 12-22
DATE	12-22
NEXT HIGHER ASSY	

"THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1975 DIGITAL EQUIPMENT CORPORATION"

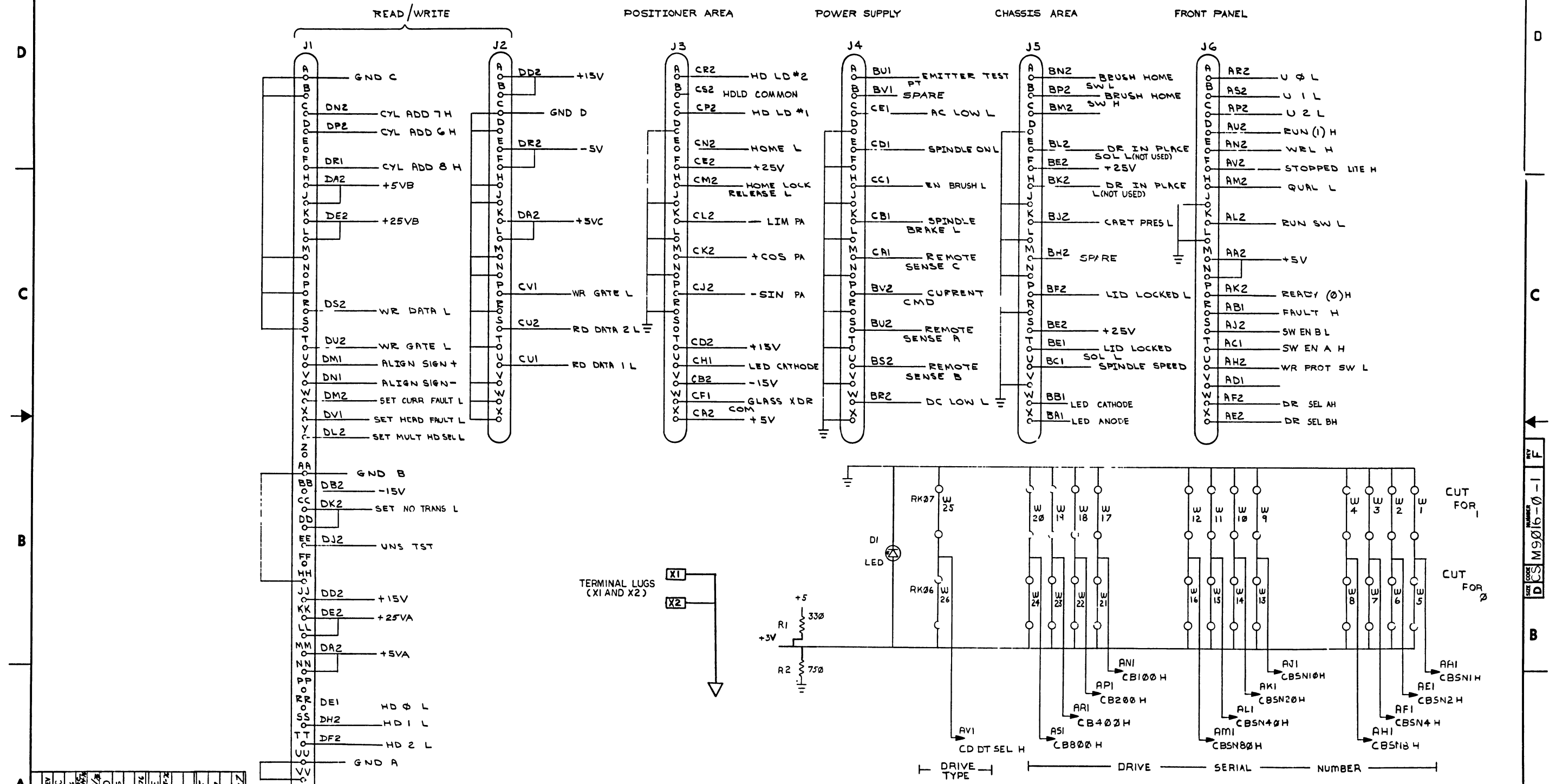


* COMPONENT IS MOUNTED ON HEAT SINK.

REVISIONS		
CHK	CHANGE NO	REV



"THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1975, DIGITAL EQUIPMENT CORPORATION"

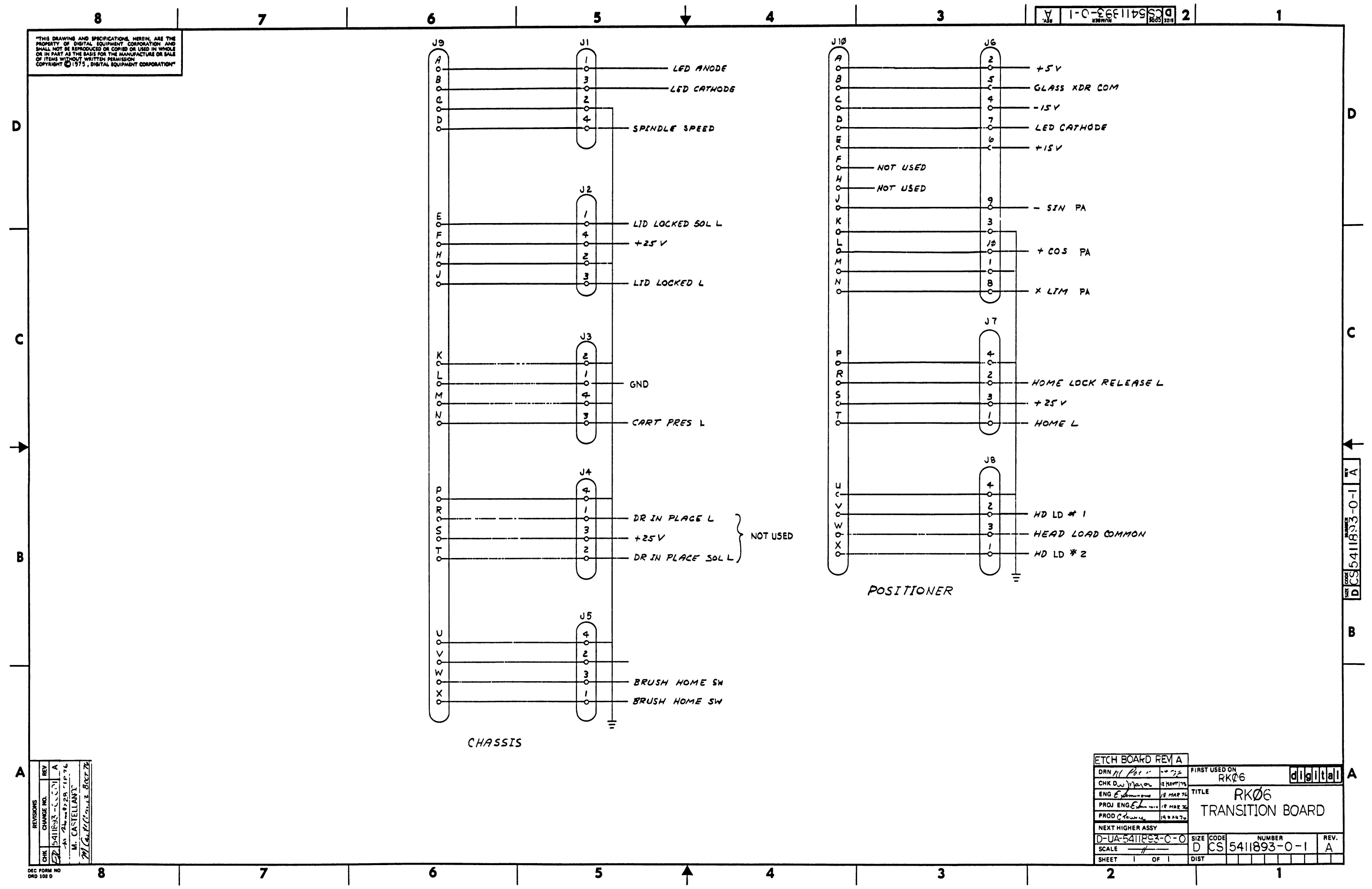


NOTE: ONE JUMPER OF EACH PAIR MUST BE CUT, OTHERWISE +3V WILL BE SHORTED TO GROUND. LED DI, WHEN LIT, INDICATES +3V IS NOT SHORTED TO GROUND.

DRN	10-11	2-25-75	FIRST USED ON	RK06	digital
CHK'D	1/17/76	17 FEB 76	TITLE	RK06 CABLING BOARD	
ENG	1/18/76	18 MAR 76	SCALE	D	CS
PROJ ENG	1/18/76	18 MAR 76	SHEET	1	OF 1
PROD	1/18/76	18 MAR 76	DIST		
NEXT HIGHER ASSY			SIZE	CODE	NUMBER
D-UA-MS016-0-0			D	CS	M9016-0-1
REV.			F.		

REV	CHANGE NO.	DATE	BY	CHK
1	001	11-12-75	M. CASTELLANOS	
2	002	11-12-75	M. CASTELLANOS	
3	003	11-12-75	M. CASTELLANOS	
4	004	11-12-75	M. CASTELLANOS	
5	005	11-12-75	M. CASTELLANOS	
6	006	11-12-75	M. CASTELLANOS	
7	007	11-12-75	M. CASTELLANOS	
8	008	11-12-75	M. CASTELLANOS	
9	009	11-12-75	M. CASTELLANOS	
10	010	11-12-75	M. CASTELLANOS	

"THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1975, DIGITAL EQUIPMENT CORPORATION"



REVISIONS		
CHK	CHANGE NO.	REV
SP	541893 - 0001	A
- 10 12 20 29 - 1976		
M. CASTELLANT		
M. CASTELLANT 8 OCT 76		

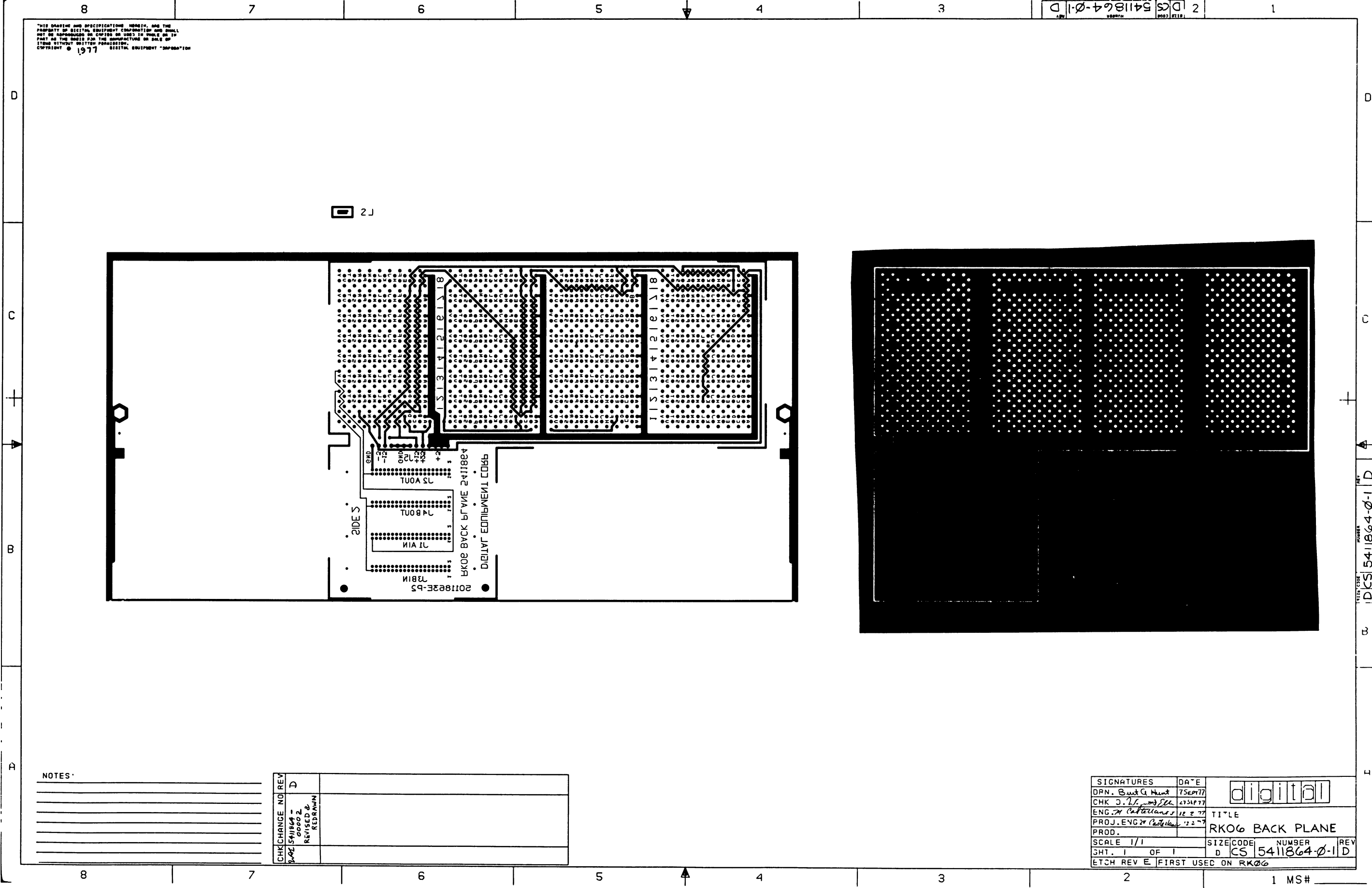
This drawing and specifications, herein, are the property of Digital Equipment Corporation and shall not be reproduced or copied or used in whole or in part as the basis for the manufacture or sale of items without written permission.

COPYRIGHT © 1976
DIGITAL EQUIPMENT CORPORATION

NOTES:
1. THE ROUTING OF SOME WIRES ARE CRITICAL. ANY ROUTING CHANGE MUST HAVE ENGINEERING APPROVAL.

FIRST USED ON OPTION MODEL		QTY.	DESCRIPTION	PART NO.	ITEM NO.
RK06					
PARTS LIST					
DRN.	DATE	EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS			
W. Major	20/APR/76	TITLE WIRE LIST (SINGLE PORT)			
CHK'D.	DATE				
W. Major	20/APR/76				
ENG.	DATE				
Phil Dula	4/16/76				
PROD. ENG.	DATE	SIZE CODE NUMBER REV. K WL 7012474 - O-DBW K			
Wendner	1/20/76				
PROD.	DATE	SHEET 1 OF 1			
Wendner	4/20/76				
NEXT HIGHER ASSEMBLY		DIST.			
D-AD-7012474-O-O					
SCALE					
SHEET					

REVISIONS		REV.	
CHK	CHANGE NO.		
	7012474-00001	A	
	7012474-00002	B	
	7012474-00003	C	
	7012474-00004	D	
	7012474-00005	E	
	7012474-00008	F	
	7012474-00009	H	
	7012474-00010	J	
	7012474-ML015	K	



"THIS DRAWING AND SPECIFICATIONS HEREOF, AND THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED IN WHOLE OR IN PART FOR THE PURPOSE OF THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION.
COPYRIGHT © 1977 DIGITAL EQUIPMENT CORPORATION

DIGITAL
5411864-0-1 D

NOTES:

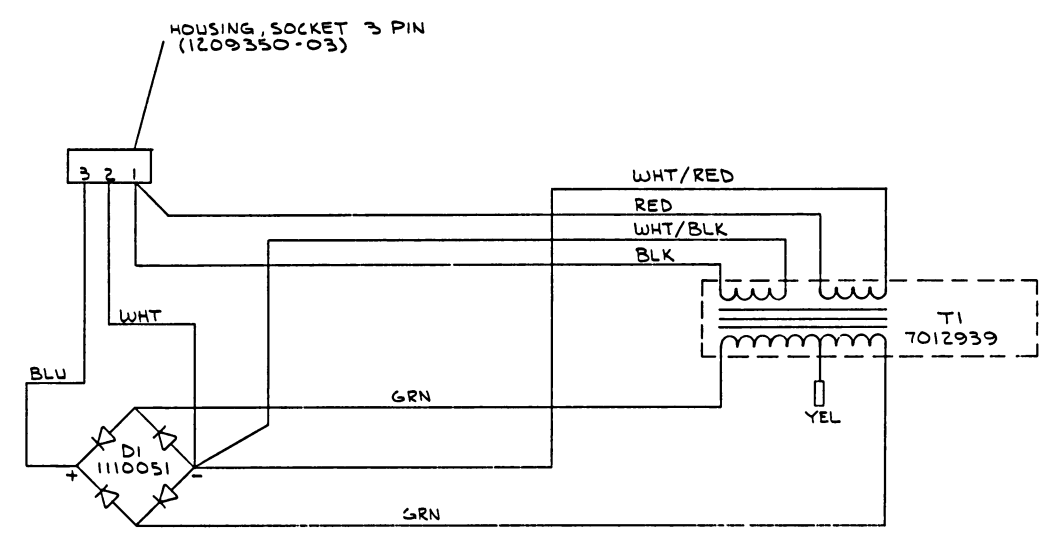
CHK	CHANGE NO	REV
342	5411864 -	D
00002		
REVISED & REDRAWN		

SIGNATURES	DATE	digital
DRN. Buck G. Hunt	7 SEP 77	
CHK. J. L. and J. L.	27 SEP 77	
ENG. M. Castellanos	12 2 77	
PROJ. ENG. 24 Castellanos	12 2 77	
PROD.		
SCALE 1/1		
SHT. 1 OF 1		
ETCH REV E		

TITLE	REV
RK06 BACK PLANE	
SIZE CODE	NUMBER
D CS	5411864-0-1 D
ETCH REV E	FIRST USED ON RK06

1 MS#

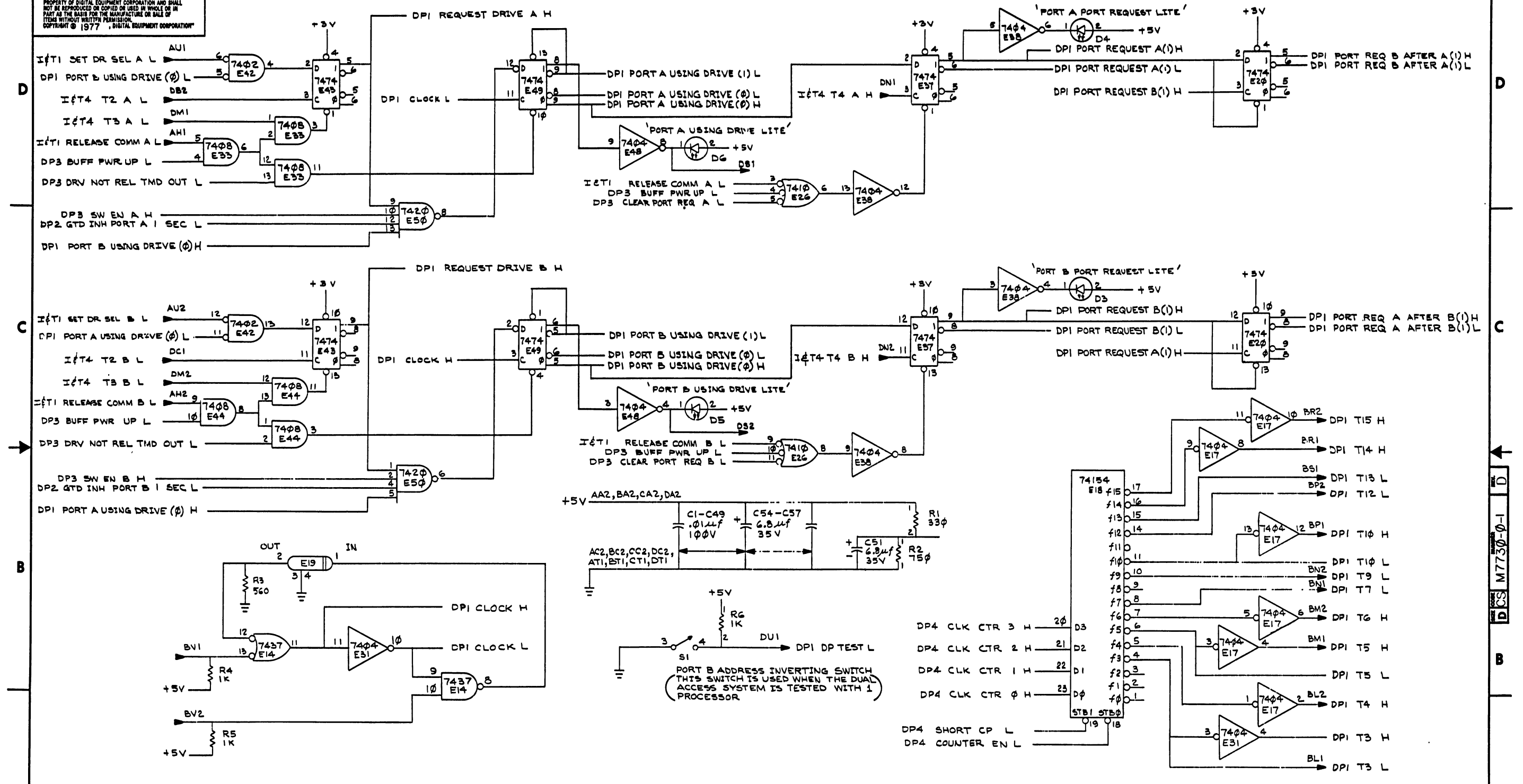
"THIS DRAWING AND SPECIFICATIONS HEREIN ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1970, DIGITAL EQUIPMENT CORPORATION"



DRN. <i>[Signature]</i>	30-JAN-76	FIRST USED ON	RK06 digital
CHK'D. <i>[Signature]</i>	21-JUN-76	TITLE	SPINDLE BRAKE ASSY (CIRCUIT SCHEMATIC)
ENG. <i>[Signature]</i>	23-JUL-76	SIZE	D
PROJ. ENG. <i>[Signature]</i>	23-JUL-76	CODE	CS
PROD. <i>[Signature]</i>	17-JUL-76	NUMBER	7012940-0-1
NEXT HIGHER ASSY.		REV.	
SCALE: NONE		DIST.	
SHEET 1 OF 1			

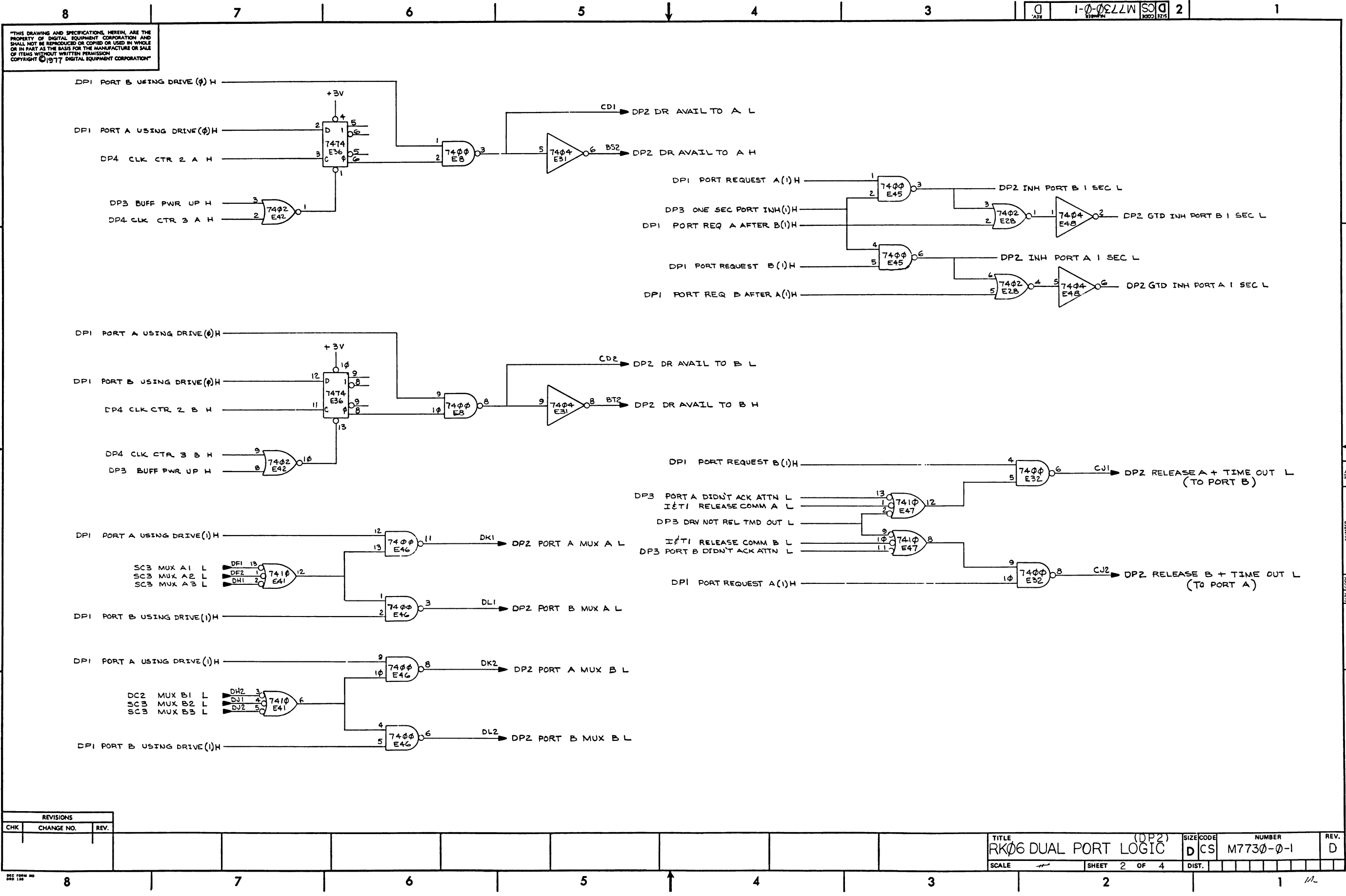
REV.	
CHANGE NO.	
CHK	

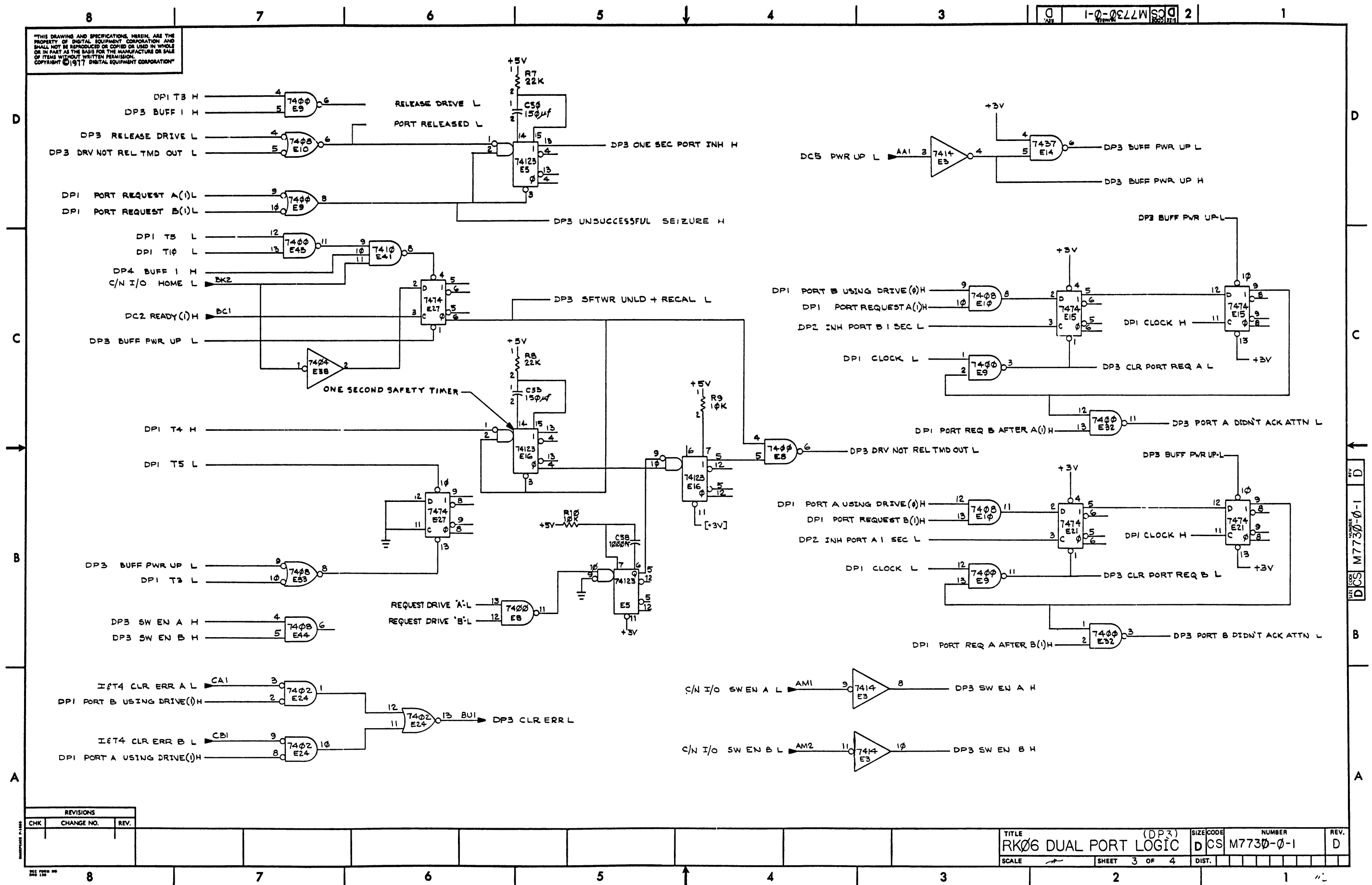
THIS DRAWING AND SPECIFICATIONS HEREIN ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF IDEAS WITHOUT WRITTEN PERMISSION.
COPYRIGHT © 1977, DIGITAL EQUIPMENT CORPORATION



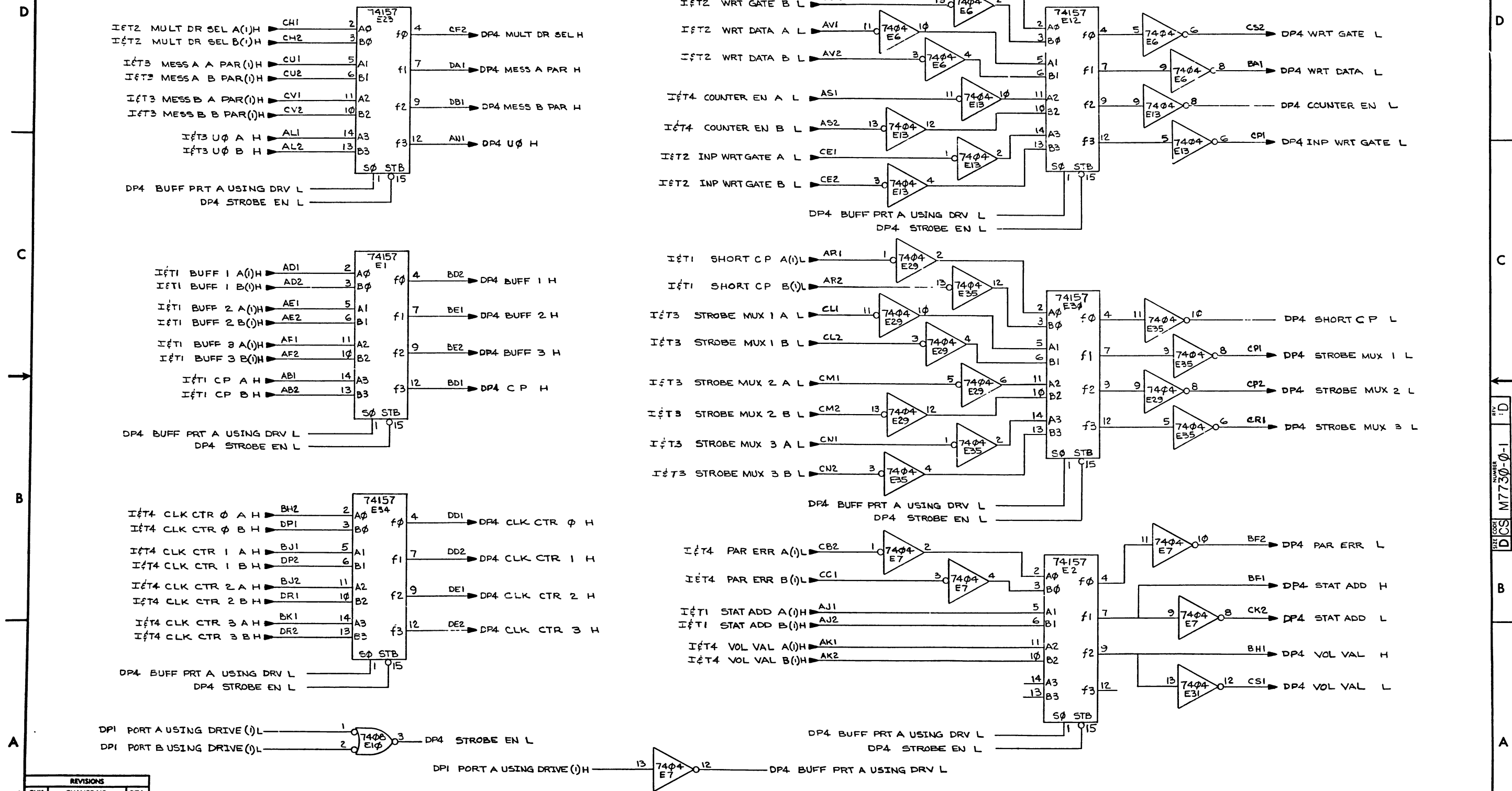
REV.	CHG.	NO.	DATE	BY	CHK.
1		1	11/15/77	R. WOLFF	
2		2	11/15/77	R. WOLFF	
3		3	11/15/77	R. WOLFF	
4		4	11/15/77	R. WOLFF	
5		5	11/15/77	R. WOLFF	
6		6	11/15/77	R. WOLFF	
7		7	11/15/77	R. WOLFF	
8		8	11/15/77	R. WOLFF	

DRN. 3	11/11/77	FIRST USED ON	RK06
CHK'D	11/11/77	TITLE	RK06 DUAL PORT LOGIC (DPI)
ENG. R	11/11/77	SIZE	D
PROJ. ENG.	11/11/77	CODE	CS
PROD. 1	11/11/77	NUMBER	M7730-0-1
NEXT HIGHER ASSY.		REV.	D
B-DD-M7730-0		SCALE	
SHEET 1	OF 4	DIST.	





THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION.
COPYRIGHT © 1977 DIGITAL EQUIPMENT CORPORATION

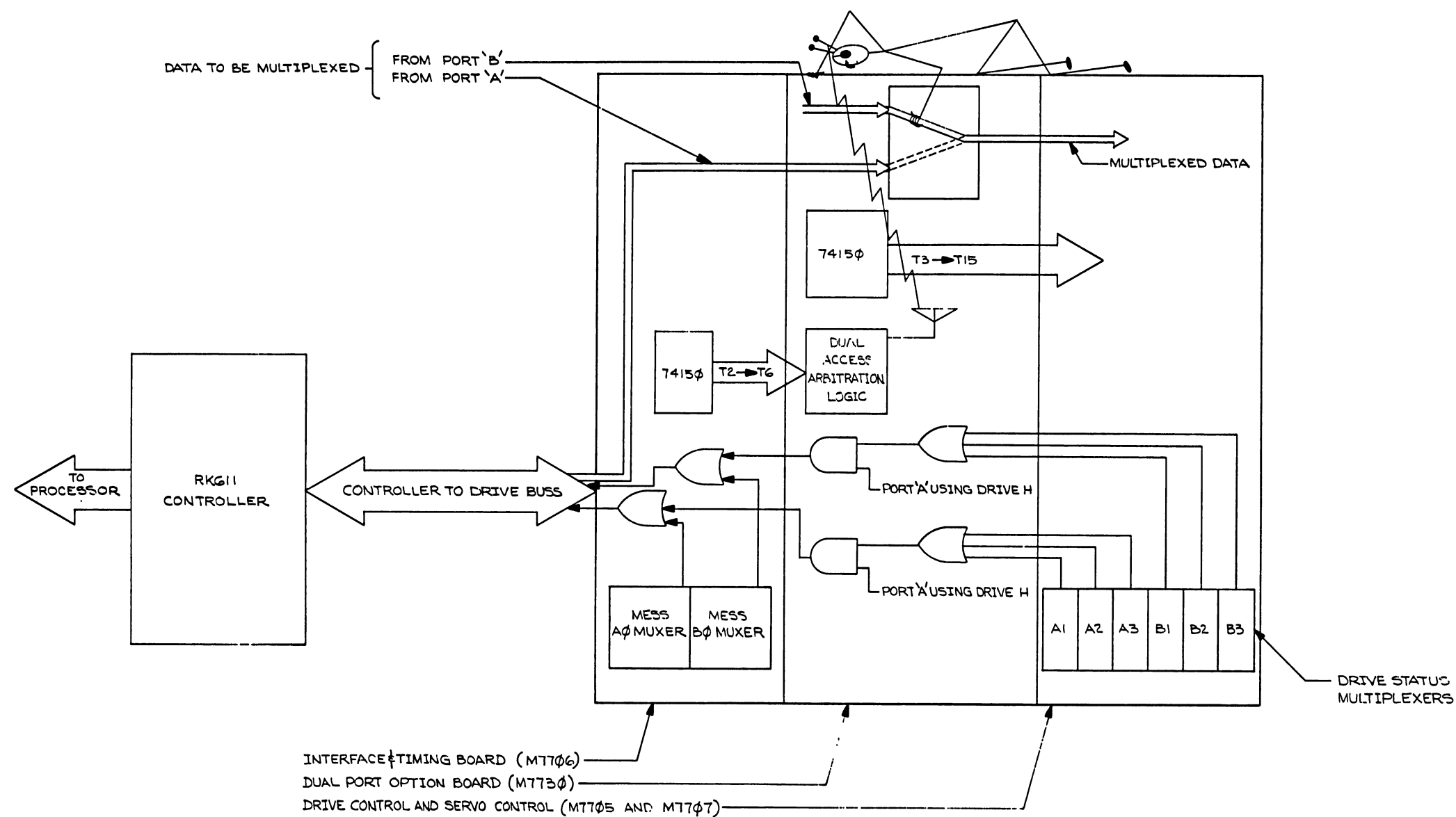


REVISIONS		
CHK	CHANGE NO.	REV.

TITLE		(DP4)	SIZE CODE	NUMBER	REV.
RK06 DUAL PORT LOGIC		DCS	M7730-0-1	D	
SCALE		SHEET	4 OF 4	DIST.	

REV. 1: D
NUMBER M7730-0-1
CODE DCS

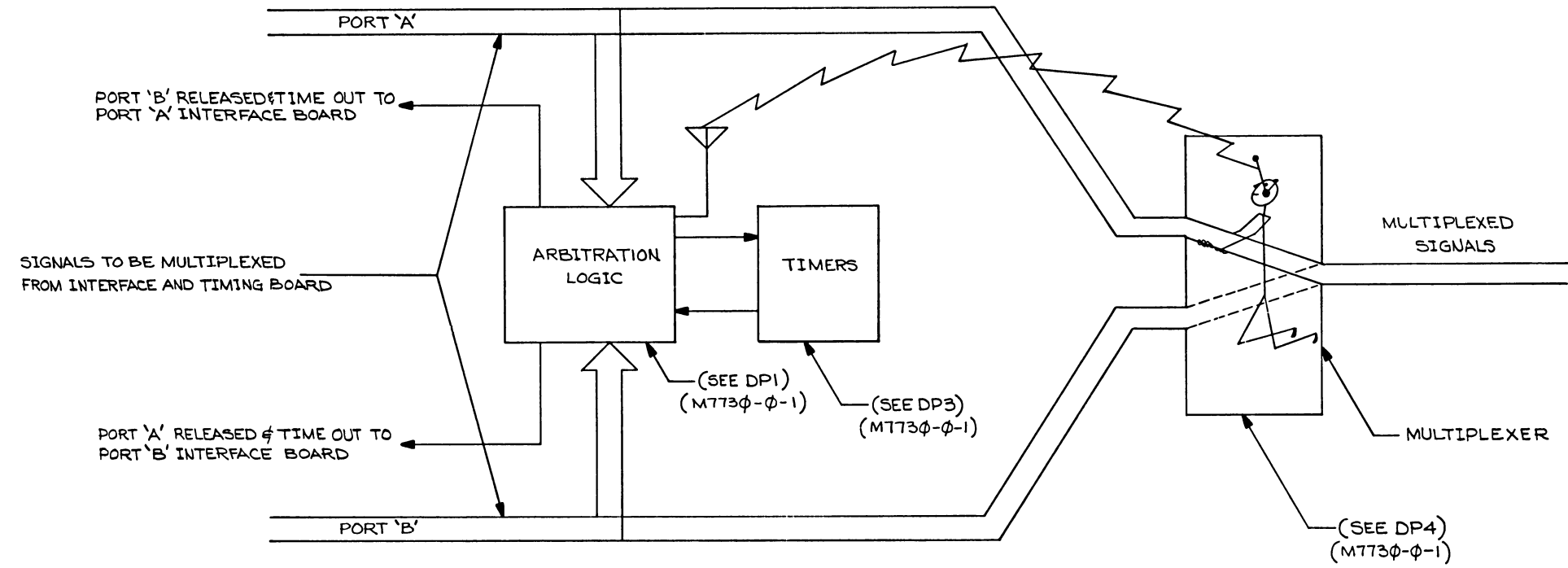
THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION.
COPYRIGHT © 1977, DIGITAL EQUIPMENT CORPORATION



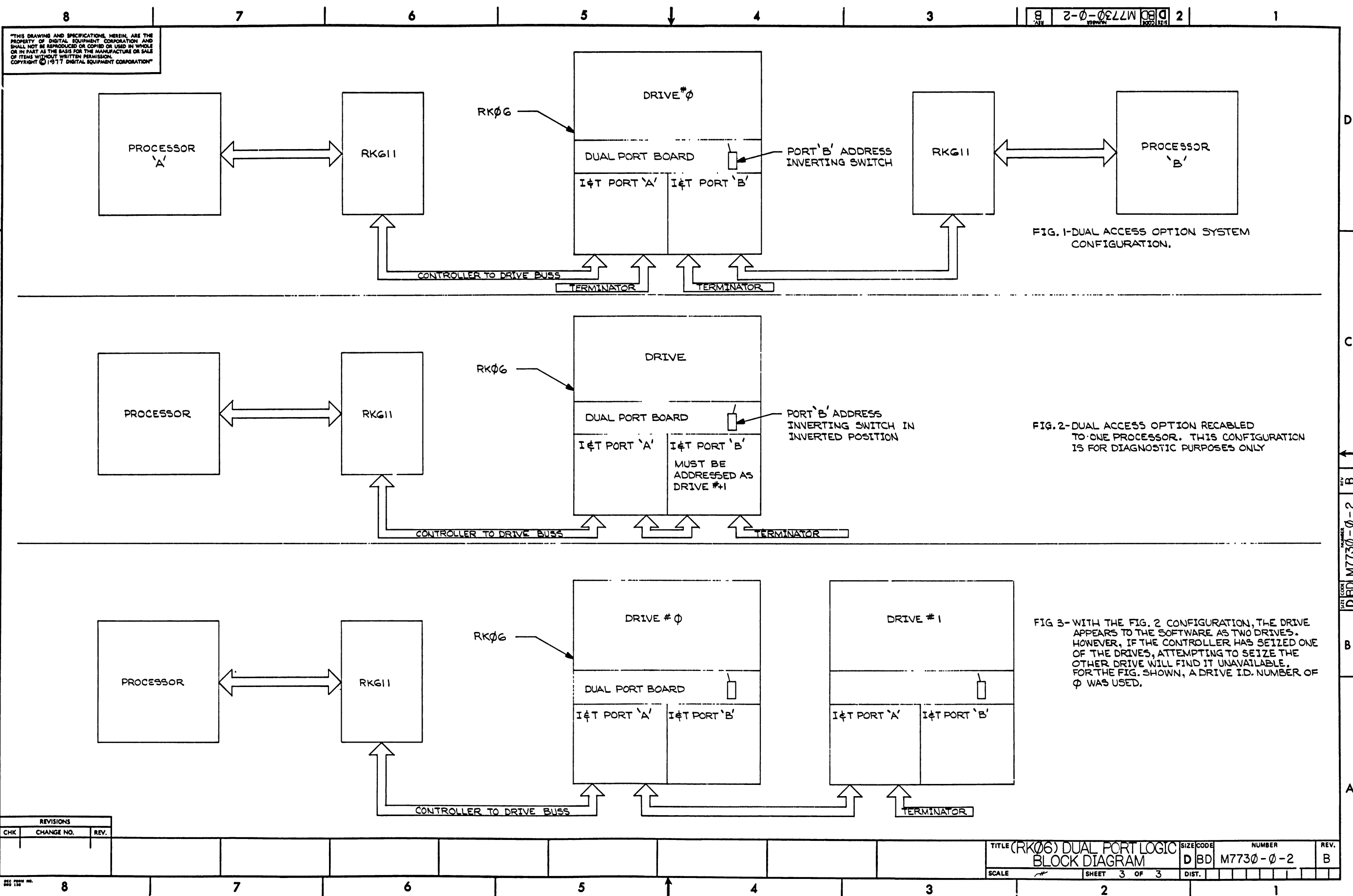
DRIVE ARCHITECTURE WITH DUAL ACCESS OPTION INSTALLED

DRN. # <i>Wang</i>	<i>4-25-77</i>	FIRST USED ON	<i>digital</i>
CHK'D BY <i>Wang</i>	<i>4-29-77</i>	RK06	
ENG. R.W. <i>W</i>	<i>21 APR 77</i>	TITLE	(RK06)
PROJ. ENG. <i>S</i>	<i>5-1-77</i>	DUAL PORT LOGIC	
PROD'D BY <i>Wang</i>	<i>4-29-77</i>	BLOCK DIAGRAM	
NEXT HIGHER ASSY.			
B DD M7730-0		SIZE	CODE
SCALE <i>1</i>		D	BD
SHEET <i>1</i> OF <i>3</i>		NUMBER	
		M7730-0-2	
		REV.	
		B	
		DIST.	

"THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1977 DIGITAL EQUIPMENT CORPORATION"



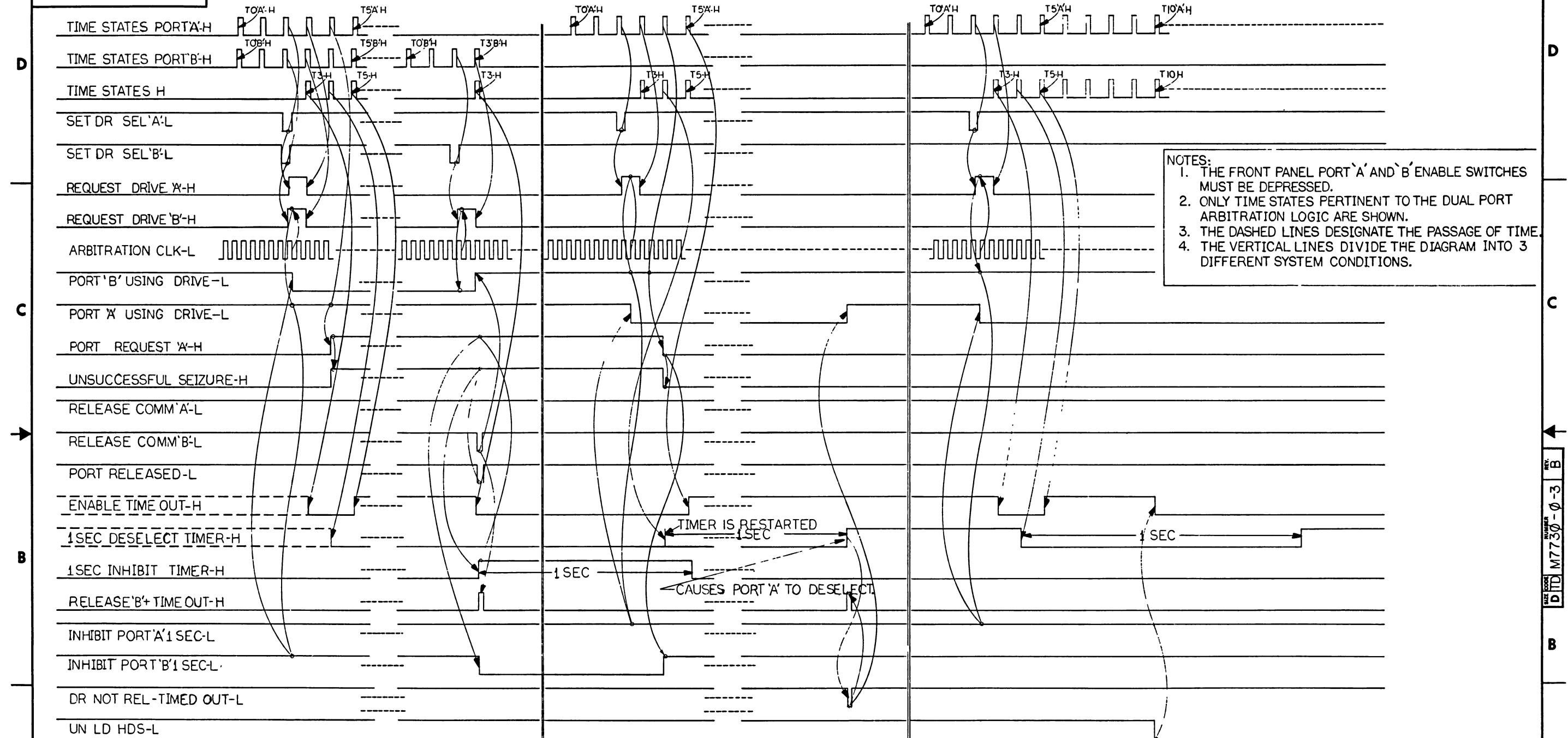
REVISIONS		
CHK	CHANGE NO.	REV.



REVISIONS		
CHK	CHANGE NO.	REV.

TITLE (RK06) DUAL PORT LOGIC BLOCK DIAGRAM		SIZE CODE	NUMBER	REV.
SCALE		D BD	M7730-0-2	B
SHEET 3 OF 3		DIST.		

"THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1977 DIGITAL EQUIPMENT CORPORATION"



NOTES:

1. THE FRONT PANEL PORT 'A' AND 'B' ENABLE SWITCHES MUST BE DEPRESSED.
2. ONLY TIME STATES PERTINENT TO THE DUAL PORT ARBITRATION LOGIC ARE SHOWN.
3. THE DASHED LINES DESIGNATE THE PASSAGE OF TIME.
4. THE VERTICAL LINES DIVIDE THE DIAGRAM INTO 3 DIFFERENT SYSTEM CONDITIONS.

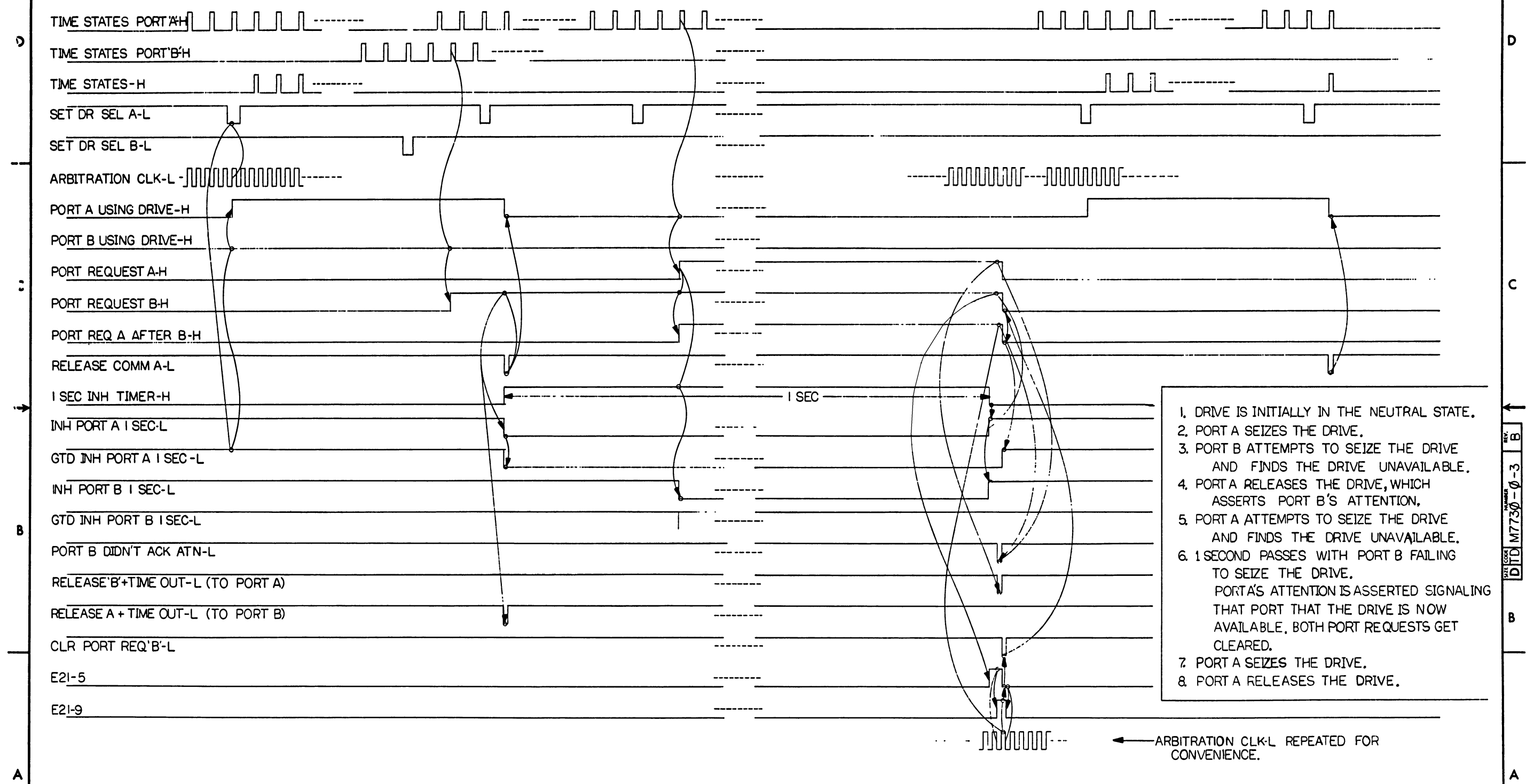
DRIVE IS AVAILABLE TO BOTH PORTS WHICH SIMULTANEOUSLY ATTEMPT TO SEIZE THE DRIVE. THE DUAL PORT CLOCK ARBITRATES AND PORT 'B' WINS. PORT 'A' SETS UP THE LOGIC GIVING IT PRIORITY ONCE PORT 'B' RELEASES THE DRIVE.

THE LOGIC INHIBITS PORT 'B' FROM SEIZING THE DRIVE, GIVING PORT 'A' PRIORITY. PORT 'A' SEIZES THE DRIVE, BUT DOES NOT ISSUE A RELEASE COMMAND. THE 1 SECOND DESELECT TIMER TIMES OUT AND PORT 'A' GETS DESELECTED.

DRIVE IS AVAILABLE TO BOTH PORTS. PORT 'A' SEIZES THE DRIVE AND ISSUES THE UNLOAD HEADS COMMAND. THE DESELECT TIMER IS DISABLED AND THE DRIVE WILL REMAIN LOCKED ONTO PORT 'A'.

DRN. J. S. H. 400	8-13-76	FIRST USED ON		RK06		digital		A
CHK'D. M. J. 1	4-24-77	TITLE		(RK06)				
ENG. R. W. 1	3-28-77	DUAL FORT LOGIC						
PROJ. ENG. R. W. 1	5-1-77	TIMING DIAGRAM						
PROD. J. S. H. 400	8-13-76							
NEXT HIGHER ASSY.								
B-DD-M7730-0		SIZE		CODE		NUMBER		REV.
SCALE		D		TD		M7730-0-3		B
SHEET		1		OF		2		

"THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1977 DIGITAL EQUIPMENT CORPORATION"



1. DRIVE IS INITIALLY IN THE NEUTRAL STATE.
2. PORT A SEIZES THE DRIVE.
3. PORT B ATTEMPTS TO SEIZE THE DRIVE AND FINDS THE DRIVE UNAVAILABLE.
4. PORT A RELEASES THE DRIVE, WHICH ASSERTS PORT B'S ATTENTION.
5. PORT A ATTEMPTS TO SEIZE THE DRIVE AND FINDS THE DRIVE UNAVAILABLE.
6. 1 SECOND PASSES WITH PORT B FAILING TO SEIZE THE DRIVE. PORT A'S ATTENTION IS ASSERTED SIGNALING THAT PORT THAT THE DRIVE IS NOW AVAILABLE, BOTH PORT REQUESTS GET CLEARED.
7. PORT A SEIZES THE DRIVE.
8. PORT A RELEASES THE DRIVE.

REVISIONS		
CHK	CHANGE NO.	REV.

DUAL PORT LOGIC RELEASE AND TIME OUT TIMING

TITLE (RK06) DUAL PORT LOGIC TIMING DIAGRAM	SIZE CODE DTD	NUMBER M7730-0-3	REV. B
SCALE	SHEET 2 OF 2	DIST.	

LINE	ITEM	DOCUMENT NO.	PART NO.	DESCRIPTION	QTY	REFERENCE DESIGNATORS
1	1		5012638-00	M7730	1	
2	2		1000012-00	***** THIS ITEM IS NOT USED *****	-	
3	3		1000004-00	150 MFD 15V 20% 1500 S.TA (10-00	2	C50,C53
4	4		1001610-01	.01 MFD 100V OR 50V Z5U DTSC/R00PF MIN	40	C1-C49
5	5		1005306-00	6.8MFD 35V 10% 1500 S.TA (10-00	5	C51,C54-C57
6	6		1105275-00	***** THIS ITEM IS NOT USED *****	-	
7	7		1112609-00	LED .8MCD@16MA VF=5V	4	DS1-DS4
8	8		1210209-00	SW,TOG 1P.01A SUBMINI	1	S1
9	9		1300295-00	330 1/4W 5% CC (13-00	1	R1
10	10		1300365-00	1 K 1/4W 5% CC (13-00	3	R4-R6
11	11		1301401-00	750 1/4W 5% CC (13-00	1	R2
12	12		1301508-00	22 K 1/4W 5% CC (13-00	2	R7,R8
13	13		1300479-00	10 K 1/4W 5% CC (13-00	2	R9,R10
14	14		1301890-00	560 1/4W 5% CC (13-00	1	R3
15	15		1609428-00	DELAY= 50NS,0TAPS D0150	1	E19
16	16		1905547-00	DEC 7474 FF-D DUAL,EDGE TRIGGER,15MPZ	8	E15,E20,E21,E27,E36,E37,E43,
					CONT	E49
17	17		1905575-00	7400 NAND GATE-QUAD 2IN	5	E8,E9,E32,E45,E46
18	18		1905576-00	7410 NAND GATE-TRIPLE 3IN	3	E25,E41,E47
19	19		1905577-00	7420 NAND GATE-DUAL 4INPUT	1	E50
20	20		1909004-00	DEC 7402 NOR GATE-QUAD 2IN	3	E24,E28,E42
21	21		1909686-00	7404 INVERTER GATE-HEX 1IN	9	E6,E7,E13,E17,E29,E31,E35,E38,
					CONT	E48
22	22		1909701-00	74154 1 OF 16,BINARY SELECT	1	E18
23	23		1910091-00	DEC 7437 NAND GATE-QUAD 2IN,BUFFER 14	1	E14
24	24		1910155-00	DEC 7408 AND GATE,POS,QUAD 2IN 14	3	E10,E33,E44
25	25		1910436-00	DEC 74123 ONE SHOT-DUAL,RETRIGGERABLE	2	E5,E16
26	26		1910655-00	74157 MUX 1 OF 2 (QUAD	6	E1,E2,E12,E23,E30,E34
27	27		1911324-00	7414 NAND GATE-HEX 1IN SCHMITT TRIG	1	E3
28	28		7413826-00	HANDLE	1	

REVISION HISTORY			VARIATIONS FOR THIS ASSY.			FIRST USED ON: RK06			DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS		
CHK	ECO NO	REV									
BHF	02002	D				MADE BY: D. MAYUSHI	DATE: 30-JUN-78	TITLE			
								PARTS LIST			
						CHECKED: D. MAYUSHI	DATE: 30-JUN-78	RK06 DUAL PORT LOGIC			
						DSN.ENG.: ROBERT H. WOLFF	DATE: 30-JUN-78				
								SIZE/COFF:	DOCUMENT NUMBER	REV	
						PROD.: BOB GOODWIN	DATE: 30-JUN-78	K	PL	M7730-0-DNP	D
						RESP.ENG.: ROBERT H. WOLFF	DATE: 30-JUN-78	ASSY.NO.:	D-0A-M7730-0-0	FDIT#	4
THIS DRAWING AND SPECIFICATIONS HERFIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT 1979, DIGITAL EQUIPMENT CORPORATION											

LINE	ITEM	DOCUMENT NO.	PART NO.	DESCRIPTION	QTY	REFERENCE DESIGNATORS
29	29		7413826-01	HANDEL, MODULE	1	
30	30		9000024-01	EYELET, ROLLED FLANGE, .121 OD X .196 LG	8	
31	31		9105740-55	WIRE(WRAP)30AWG UL1423 (91-00 A/R		
32	32		9009185-00	JUMPER, WIRE, INSULATED, BLACK BAND	2	W1,W2
33	33		1000042-00	1000.0 MWF 100V 50200FPM DM15S (10-00	1	C58
34	34	B-DD-M7730-0-0		DRAWING DIPECTORY	REF	
35	35	D-UA-M7730-0-0		UNIT ASSEMBLY	REF	
36	36	D-CS-M7730-0-1		CIRCUIT SCHEMATIC	REF	
37	37	D-MD-5012638-0-0		DRILL AND ETCH DRAWING	REF	
38	38	I.C. SPARES, 16 PIN			6	E4,E11,E22,E25,E39,E40

! DIGITAL EQUIPMENT CORPORATION !	! TITLE !	! PARTS LIST !	! SIZE !	! CODE !	! DOCUMENT NUMBER !	! REV !
! MAYNARD, MASSACHUSETTS !		RK06 DUAL PORT LOGIC	! K !	! PL !	M7730-0-DBP	! D !

COPYRIGHT © 1976
DIGITAL EQUIPMENT CORPORATION

[illegible]

DEC 16-13251-1097-N173

4

3

2

1

This drawing and specifications, herein, are the property of Digital Equipment Corporation and shall not be reproduced or copied or used in whole or in part as the basis for the manufacture or sale of items without written permission.

COPYRIGHT © 1976
DIGITAL EQUIPMENT CORPORATION

NOTES:

- 1. THE ROUTING OF SOME WIRES ARE CRITICAL. ANY ROUTING CHANGE MUST HAVE DISK ENGINEERING APPROVAL.

FIRST USED ON OPTION MODEL		QTY.	DESCRIPTION	PART NO.	ITEM NO.
RK06			PARTS LIST		
DRN.	W. Major	DATE	EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS		
CHK'D.	W. Major	DATE	TITLE WIRE LIST (DUAL PORT)		
ENG.	W. Major	DATE			
APP'D.	W. Major	DATE			
REV'D.	W. Major	DATE			
NEXT HIGHER ASSEMBLY			D-AD-7012474-0-0		
SCALE	1/1		SIZE	CODE	NUMBER
SHEET	1	OF	1	K	WL 7012474-1-DBW
			DIST.		REV. L

REVISIONS		REV.
CHK	CHANGE NO.	
	7012474-00001	A
	7012474-00002	B
	7012474-00003	C
	7012474-00005	D
	7012474-00006	E
	7012474-00008	F
	7012474-00009	H
	7012474-00010	J
	7012474-00012	K
	7012474-ML015	L

4

3

2

1

BLANK

BLANK